

# Tandy ELECTRONICS

The Technology Store™

The tradition continues for 1987, Tandy Electronics again offers the only complete line of advanced consumer electronics available anywhere. Including a programmable remote control robot, new upgraded 128K color computer and monitor, a wireless remote control compact disc player, a 32-number auto-dial loud speaking telephone, a flat screen portable TV, plus hundreds more.

## 1987 CATALOGUE \$1





# TANDY BRINGS NEW TECHNOLOGY TO YOU

## 10cm Flat Screen B & W TV Delivers a Bright, Clear Picture

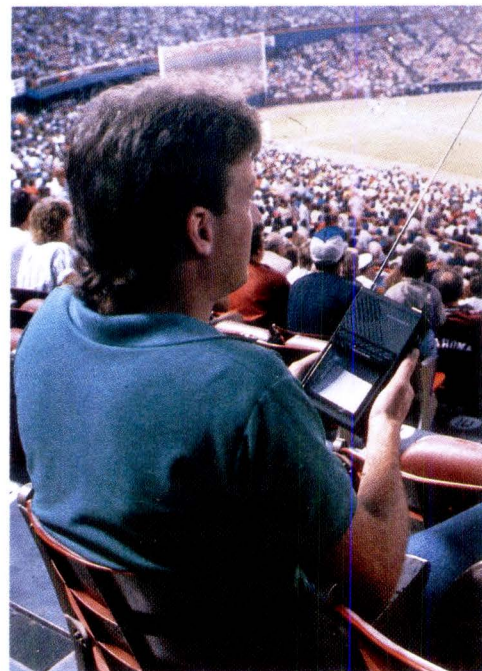


NEW  
FOR 87

**299<sup>95</sup>**

- Direct-View Flat Screen Picture Tube Provides Excellent Picture Resolution and Clarity
- Video Input for Use as Portable VCR Monitor
- Jacks for Earphone and Ext. Antenna

You'll get the same well-defined, high-quality picture as you do with regular sets, but at only 21 x 12 x 7.6cm, you'll be taking it everywhere. Great for instant replays at the big game or watching your favourite shows around the house. Reliable electronic tuner, rotary volume and tuning controls. Built-in sun shade. Telescoping antenna. Requires 4 "C" batteries or DC adapter. 16-9503 ..... 299.95



## 11.3cm Flat Screen B & W TV/AM/FM Clock Radio



NEW  
FOR 87

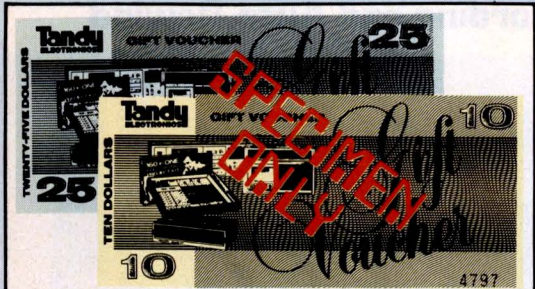
**199<sup>95</sup>**

- 59 Minute Sleep Function Turns TV or Radio Off Automatically
- AC Operation or 12 VDC (optional)

At last! Tandy gets all the most-needed items you've been looking for together in one unit. Our feature-packed AM/FM Clock Radio TV is ideal for the bedside, the kitchen — it's also well suited to the office. And with the 12VDC input, you can even use it in the car. The black and white 11.3cm flat screen TV will amaze you with its picture clarity! New technology makes it as easy to see during the day as at night. Adjustable brightness, contrast and vertical hold lets you get the perfect image. With telescoping antenna and coaxial adapter for a further external antenna, it caters for both VHF and UHF bands. Tune in easily with the large rotary tuning dial to AM and FM stations. And the large LED alarm clock will wake you to your favourite TV or radio programs. With soft-touch snooze control, low battery indicator. 23.7 x 10.5 x 17.5cm. Requires 9V battery. 16-9501 ..... 199.95



# TANDY GIFT CERTIFICATES MAKE GIVING SO MUCH EASIER



**Spendable At More Than 350 Locations**  
**Gift Vouchers Available At All Company**  
**Stores And Participating Dealers**



**Tandy \$2 Catalogue Gift Voucher**  
**See Coupon In This Publication For**  
**Special Offer**

## Five Great Convenient Ways to Shop Tandy

- 1. STORES AND DEALERS.** Now 350 Tandy stores and dealers, across Australia for your shopping convenience.
- 2. MAIL ORDER.** Special Priority Mail Order quick shipment available — See Order Form in back of catalogue.
- 3. VIATEL #642.** 24 Hours shopping facility — shop by phone with credit cards.
- 4. FAX PHONE (02) 675 2325.** 24 Hours shopping service — just send your order to our head office by phone.
- 5. TELEX #25425.** 24 Hours shopping service. Send your telex order for prompt service.

## Tandy's Continuing Commitment to Education

As the impact of computers on education continues to grow, so does the range of Tandy educational hardware and software. Computer products, designed with the educator in mind, introduce exciting new concepts and teaching methods to the classroom. In conjunction with leading software suppliers, Tandy offers the school and home market a comprehensive library of educational software featuring the best and most popular programs. Tandy's Education Division is committed to providing the teachers and students of Australia with the most advanced computer hardware, educationally-sound software and a service and support system second-to-none. Direct enquiries to: Education Division, 91 Kurrajong Avenue, Mt. Druitt, N.S.W. 2770.

## Special Marketing and Contract Marketing Divisions

**National Account Division.** Tandy provides for the special needs of corporations and quantity buyers. We'll solve your computer application and communication needs, including employee training. Direct inquiries to: National Accounts Division, 91 Kurrajong Avenue, Mt. Druitt, N.S.W. 2770.

**Tandy Contract Marketing.** OEM's/SYSTEM HOUSES become a part of our success story by designing and selling vertical market application packages configured with our computers. Tandy is your single-source supplier. Direct inquiries to: Tandy Contract Marketing, 91 Kurrajong Avenue, Mt. Druitt, NSW 2770.

## ESP EXTENDED SERVICE PLAN Available from Tandy

Tandy's commitment to SERVICE includes affordable buyer protection beyond the normal product warranty period. EXTENDED SERVICE PLANS are available for many of the products in our stores nationwide. Convenient and easy to start, these plans take the worry out of maintaining vital computer equipment, valuable audio and video components and other electronic equipment and offer owners the following major advantages:

- **Parts and labour coverage extending our limited warranty to a total of 5 years in some cases**
- **Service is performed by trained Tandy personnel in company-owned service centres and is available through any of one of over 350 stores and dealers in all states.**
- **No unexpected repair costs — after warranty period charges will be limited to a \$5.95 shipping and handling charge (handling charge does not apply to computer products).**

Series	Description	Price	Years Coverage
13	Clarinette Music Systems	79.95	3
14	SCT Cassette Decks	79.95	5
14	SCR/Modulaire Portables	59.95	3
16	Video Cassette Recorders	169.95	3
16	Televisions	99.95	3
20	Scanners	59.95	5
25	Computer Equipment	*	1
26	Computer Equipment	*	1
31	STA/SCR Series Receivers	79.95	5
31	Rack Audio Systems	129.95	5
31	Equalizers	59.95	5
32	MPA PA Amplifiers	59.95	5
42	LAB Series Turntables	59.95	5
42	CD Compact Disc Players	79.95	5
43	TAD Answering Devices	59.95	3
43	Corded Telephones	59.95	3
43	Cordless Telephones	69.95	3

On site and \*Extended Service Plans are available for Tandy computer equipment. Ask your local store personnel for details. For more information, visit your local Tandy store. Ask how you get an ESP for your next Tandy purchase.

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**USE YOUR CREDIT CARD TO BUY NOW, PAY LATER.** Honoured at most of our locations. Other credit cards may also be accepted.

Monthly prices shown in this catalogue are to approved customers.

**EIA MEMBER.** Our membership in the Electronics Industry Association is another assurance our products meet high industry standards.



# OUR VCRs GIVE YOU MORE FOR YOUR MONEY

## VHS With Soft-Touch Controls, Easy-Timer Recording and Auto-Rewind



- All Channel Tuner With 12 VHF/UHF Presets
- Easy-to-Use 14-Day/4-Event Timer
- 13-Function Wireless Remote



NEW  
FOR 87

**699<sup>95</sup>**

Remote Control

**Realistic Model 18.** Start enjoying prerecorded tapes and the programs you've been missing when you're away from home or watching another channel. Our new VCR gives you the latest low-profile styling and features many other VCRs leave out. Simple backspace editor gives you smooth, jump-free tapes when you edit out unwanted material while recording. A tuner/aux input selector allows you to use accessories or another VCR. Convenient easy-timer recording lets you start a timed recording by pressing a single con-trol. The VCR stops automatically at your

preset time which you can extend up to four hours. Power-interrupt protection preserves the timer's accuracy and memory during brief power failures. The remote control has a TV/VCR selector so you can switch from VCR to antenna without leaving your chair. High-speed forward/reverse visible search, jamproof full-logic mechanism, automatic rewind at end of tape (except in timer-recording mode) and 1/8" camera pause jack. 9.8 x 43 x 35cm. AC operation. Remote requires two "AA" batteries.

16-9601 ..... **699.95**

### 34cm Color UHF/VHF TV

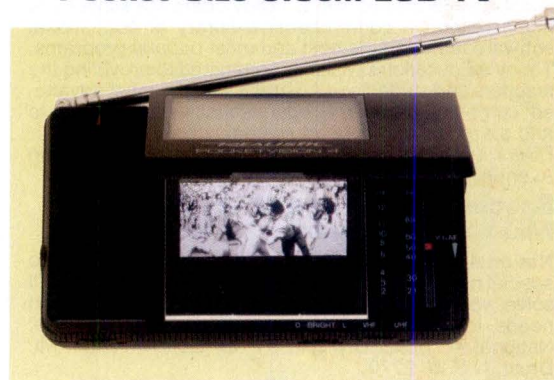


**549<sup>95</sup>**

- Programmable Memory
- Automatic Fine Tuning
- Soft Touch Electronic Tuning

A high-quality, stylish television ideal for any home. Brilliant color separation and automatic fine tuning combine for a perfect picture. Channel selection is simple with individual LED soft-touch controls. The electronic tuning system locks in each station with a precision memory that never forgets. The powerful 10 x 6.4cm speaker will give you full range fidelity with easy-to-use slide action volume control. Features recessed quality controls for contrast, brightness, color, tint and vertical hold. Includes UHF/VHF antenna with 300 to 75-ohm adapter, simulated woodgrain cabinet. 47.1 x 33.6 x 36.5cm. 16-9500 ..... **549.95**

### Pocket-Size 6.3cm LCD TV



NEW  
FOR 87

- Watch it Anywhere
- Built-in Speaker

**199<sup>95</sup>**

A value-packed performer that fits in your pocket! Fold-open liquid crystal screen gives you a clear, detailed picture that won't wash out — even in bright sunlight. Snap-on backlight hood for viewing in dim light. Rotary volume, tuning and brightness controls. Telescoping rod antenna. With earphone for personal viewing, soft carrying case. 20 x 120 x 70mm. Requires four "AAA" batteries or DC adapter. 16-9502 ..... **199.95**

Screen Size Measured Diagonally — Shown with Stimulated Reception



# COMPACT DISC — THE ULTIMATE IN AUDIO

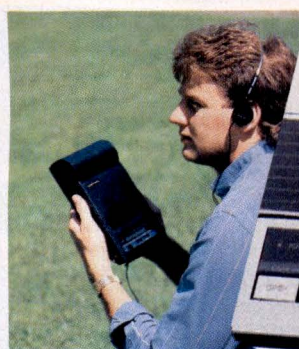
## Enjoy Digital Stereo Anywhere With Tandy's Portable CD Player

NEW  
FOR 87

529<sup>95</sup>

E.S.P.  
Available

Unsurpassed Personal  
Listening Anywhere!



Available Nov. 15, 1986



- Listen Through Headphones or Connect to Home Stereo System
- High-Speed Audible Search Helps You Find Selections Fast

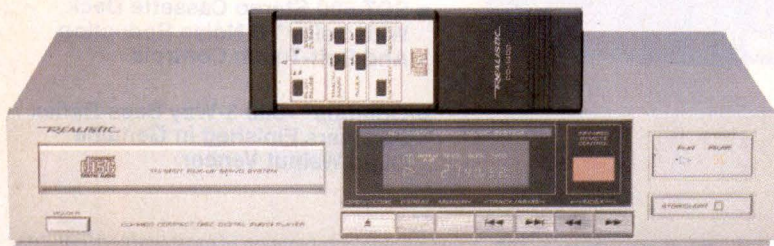
**Realistic CD-3000.** Lightweight and compact for superb stereo sound at home or away. With CD there's no rumble, no distortion, no surface noise—just pure music with astonishing clarity and dynamic range. Tri-Spot laser pickup system assures accurate tracking. Auto-search music system restarts a selection or plays the next one with the touch of a button. While operating on AC, you can program the memory to play 16 selections in any order, and repeat-play one or any group of selections, or an entire disc. Has LCD display and mode indicators. 1/8" stereo headphone jack, audio output cable. With battery pack and AC adapter. Requires 6 "C" batteries. **42-5005** ..... **529.95**

**Frequency Response:** 5-20,000 Hz +0.5 dB, -1.5 dB. **S/N:** 73 dB. **Dynamic Range:** 73 dB. **Separation (at 1 kHz):** 73 dB. **Harmonic Distortion:** 0.01%. **Wow and Flutter:** Below measurable limits. **Size:** 3.7 x 12.7 x 17.5cm.

## Step Up to Audio Perfection With a Realistic Compact Disc Player



**Frequency Response:** 5-20,000 Hz +0.5 dB, -1.0 dB. **S/N:** 92 dB. **Dynamic Range:** 92 dB. **Separation (at 1 kHz):** 90 dB. **Harmonic Distortion:** 0.005%. **Wow and Flutter:** Below measurable limits. **Size:** 8.3 x 31.9 x 30.6cm.



**Frequency Response:** 5-20,000 Hz +0.5 dB, -1.0 dB. **S/N:** 92 dB. **Dynamic Range:** 92 dB. **Separation (at 1 kHz):** 90 dB. **Harmonic Distortion:** 0.005%. **Wow and Flutter:** Below measurable limits. **Size:** 7 x 37 x 26.5cm.

## Digital Stereo at a Breakthrough Low Price

NEW  
FOR 87

E.S.P.  
Available

399<sup>95</sup>

Available Nov. 15, 1986

**Realistic CD-2200.** Super value! Easy-to-operate player lets you add the sensational sound of digital disc to your system at a very modest price. Features include Tri-Spot laser pickup system, auto-search music system and a programmable memory that plays up to 15 selections in any order. Pushbutton repeat-play of one or any group of selections, or an entire disc. High-speed access to selections, index search, fluorescent display. **42-5003** ..... **399.95**

## CD Player With Wireless Remote Control

NEW  
FOR 87

E.S.P.  
Available

499<sup>95</sup>

Available Nov. 15, 1986

**Realistic CD-1400.** Combines state-of-the-art digital sound and convenient remote operation. You can play, pause, fast-forward and fast-reverse, stop, repeat, search up/down for index selections, clear entries, even use the auto-search music system—all from the infrared remote or at the unit. Also features Tri-Spot laser pickup system, 15-selection programmable memory and pushbutton repeat-play of an entire disc, or one or any group of selections. Fluorescent display. Remote requires 2 "AA" batteries. **42-5004** ..... **499.95**

## Musical Spectaculars on Realistic® Compact Digital Audio Discs—Only \$24<sup>95</sup>

### Pure Classics

The New  
Sound of  
All-Time  
Masters!



The brilliance and power of the world's greatest masterpieces. Works by Ravel, Beethoven, Kor-sakoff, De Falla and Khatchaturian are fully revealed by the miracle of digital recording. It will leave you breathless. **51-5001** ..... **24.95**

### First-Class Jazz

Count Basie,  
Joe Pass,  
and Ella!



The legendary greats display their amazing talents in this true digital showcase. Basie, Ella Fitzgerald, Cark Terry, Milt Jackson, Oscar Peterson, Freddie Hubbard, Dizzy Gillespie. **51-5002** ..... **24.95**

### Big-Screen Sound

Favourite  
Movie  
Themes!



A sound track spectacular in your living room! Music from The Empire Strikes Back, Robin Hood, Brainstorm. North by Northwest, Star Wars, King's Row, Return of the Jedi and more. **51-5003** ..... **24.95**



# OUR PERFECTLY MATCHED HI-FI RACK SYSTEM

Complete with Turntable, Amplifier, Stereo Tuner, Cassette Deck, Rack and Speakers



COMPLETE SYSTEM

**\$1499**

Shown with optional CD player. LPs not included.

COMPLETE SYSTEM  
WITH COMPACT  
DISC PLAYER

**\$1849**

## 90 WATTS TOTAL POWER

- Audio Rack With Walnut Finish, Tempered Glass Door and Top
- LAB-600 Belt-Drive Turntable With Premounted Magnetic Cartridge
- SA-600 Integrated Stereo Amplifier With Built-In 5-Band Equalizer, 45 Watts per Channel Minimum rms Into 8 ohms from 20-20,000 Hz, With no More Than 0.9% Total Harmonic Distortion
- TM-600 AM/FM Stereo Tuner With FM Muting, 5-LED Tuning Meter
- SCT-600 Stereo Cassette Deck With Dolby<sup>®</sup> B Noise Reduction And Soft-Touch Controls
- Optimus<sup>®</sup> -600 3-Way Bass-Reflex Speakers Finished in Genuine Oiled Walnut Veneer

### System 600 Specifications

**FM TUNER.** Sensitivity (IHF): 2.8 microvolts (14.2 dBf). Capture Ratio: 2 dB. Signal-to-Noise Ratio: 60 dB. Selectivity: 50 dB. Image Rejection: 40 dB. **AMPLIFIER.** Frequency Response: 15 to 25,000 Hz  $\pm$  1 dB. Signal-to-Noise Ratio: 65 dB phono, 75 dB aux. **CASSETTE DECK.** Frequency Response  $\pm$  3 dB: 40-14,000 Hz (metal), 40-13,000 Hz (chrome), 40-12,500 Hz (normal). Wow and Flutter: Less than 0.1% WRMS. Signal-to-Noise Ratio: 61 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Rack Size:** 102 x 47 x 44cm **Speaker Size:** 67.6 x 31 x 24.3cm  
\*TM Dolby Laboratories Licensing Corp.

### Save More When You Add This CD Player

Our Realistic CD-2200 compact disc player, reg. \$399.95, is yours at 12% off when purchased with system above. With CD, you'll enjoy music with incredible clarity and dynamic range. See page 5 for full description. #42-5003



**Realistic<sup>®</sup> System 600.** A remarkable combination of most-wanted features, superb sound and ultra-modern styling. Incredibly easy to set up. There's a single plug-in cable that connects the tape deck, tuner and amplifier.

**LAB-600 Turntable.** Dependable and whisper-quiet belt drive. Features damped cue/pause, convenient out-front controls, magnetic cartridge.

**SA-600 Stereo Amplifier.** Plenty of power with a built-in frequency equalizer that lets you shape the response to match room acoustics and your personal tastes. LED mode indicators, high filter, loudness control, terminals for main and optional remote speakers.

**TM-600 AM/FM Stereo Tuner.** FM muting control silences between-station hiss when you tune. Terminals for 300-ohm FM antenna and AM loop antenna plus "F"-type connector for coax FM antenna lead-in.

**SCT-600 Stereo Cassette Deck.** Dolby B noise reduction lowers tape "hiss" while expanding dynamic range. A 20-segment LED meter and slide-action controls make it easy to record your own great-sounding tapes.

**System 600 Components.** 31-1100 ..... 999.95  
**Optimus-600 Speakers.** See page 19 40-1100 ..... Each 239.95  
**Audio Rack.** See page 12 42-1100 ..... 199.95



# OUR BEST REMOTE CONTROL SYSTEM

## Turntable, Amplifier, Stereo Tuner Equalizer, Dual Deck Speakers and Rack

COMPLETE SYSTEM

**\$2299** NEW FOR 87

Shown with optional CD player. LPs not included

COMPLETE SYSTEM  
WITH COMPACT  
DISC PLAYER

**\$2649**

**200 WATTS TOTAL POWER**

- Featuring Infra Red Remote Control
- LAB 1000 Belt-Drive Semi-Automatic Turntable with Magnetic Cartridge
- SA-1000 Integrated Stereo Amplifier, 100 Watts Per Channel Minimum RMS Into 8 Ohms from 20-20,000 Hz, No More than 0.9% Total Harmonic Distortion
- TM-1000 AM/FM Stereo Tuner with PLL Digitally Synthesized Tuning
- SCT-1000 Dual Cassette Deck with High-speed Dubbing, Dolby\* B NR
- EQ-1000 Frequency Equalizer with 7 Bands Per Channel
- Optimus-900 3-Way High-Powered Speakers
- Audio Rack with Walnut Finish, Glass Top and Doors, Castors



Remote Control

### SYSTEM 1000 SPECIFICATIONS

**AMPLIFIER.** 100 watts per channel, minimum rms into 8 ohms from 20-20,000 Hz, with no more than 0.09% total harmonic distortion. **Frequency Response:** 20-20,000 Hz  $\pm 1$  dB. **S/N:** 75 dB phono, 85 dB aux. **FM TUNER. Sensitivity (IHF):** 2.8  $\mu$ V (50 dBf). **Capture Ratio:** 2 dB. **S/N:** 60 dB. **Selectivity:** 50 dB. **Image Rejection:** 40 dB. **EQUALIZER. Band Centers:** 60, 150, 400, 1000, 2500, 6000, 15,000 Hz. **Range:**  $\pm 10$  dB. **CASSETTE. Frequency Response  $\pm 3$  dB:** 40-14,000 Hz (metal), 40-13,000 Hz (CrO<sub>2</sub>), 40-12,500 Hz (normal). **Wow and Flutter:** Less than 0.15% WRMS. **S/N:** 60dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **PHONO. Rumble:** -60 dB. **Wow and Flutter:** Less than 0.1%. AC operation. Remote requires 2 "AA" batteries.

**Realistic System 1000®** The ultimate in hi-fi technology including all the most-wanted features, amazing true-to-life stereo sound and featuring remote control operation for effortless listening pleasure.

**LAB-1000 Turntable.** Belt-drive semi-automatic with cue control. Magnetic cartridge provides superior trackability.

**SA-1000 Stereo Amplifier.** Produces unbelievable power — 100 watts per channel. Monitor it on dual 7-LED output meters. With loudness control, A/B speaker pair switching, CD and TV-sound inputs.

**EQ-1000 Equalizer.** Make minor adjustments to your sound and electronically match it to your living room's acoustics.

**TM-1000 AM/FM Stereo Tuner.** Features auto search, memory for 7 AM and 7 FM stations, and feather-touch up/down manual tuning.

**SCT-1000 Stereo Cassette Deck.** Make copies of tapes in half the normal time and play two tapes in sequence. Dolby\* B NR cuts hiss.

**Remote Control.** Infra-red. Adjust/mute volume, pause during recording, even select radio stations from memory.

**Stereo 1000 Components.** 31-1130 ..... 1499.00

**Optimus-900 Speakers.** 40-1121 ..... 329.95

**Audio Rack.** 42-1130 ..... Each 229.95

### Save More When You Add This CD Player

Our Realistic CD-2200 compact disc player, regularly \$399.95, is yours at 12% off when purchased with system above. With CD, you'll enjoy music with incredible clarity and dynamic range. See page 5 for full description. #42-5003





# OUR BIGGEST, HI-POWER PLUS IMX\* STEREO EXPANDER



60 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH NO MORE THAN 0.02% TOTAL HARMONIC DISTORTION

NEW  
FOR 87

**999<sup>95</sup>**

ESP Available

- Patented Stereo Expander Dramatically Enlarges the Sound Stage
- Digital-Synthesized Tuning ■ Fluorescent Power/Tuning Meters

**Realistic STA-2280.** Advanced features and dynamic audio power combine to add a new dimension to high-fidelity sound. The stereo expander circuit creates an effect similar to the latest reflecting-type speakers. You hear a wide sound stage which extends *beyond* the speakers. Every vocalist and instrument sound seems to come from a more precise position, giving the music an amazing "live" quality. And since IMX widens the sound field electronically, you can vary it to suit your listening area and also enjoy it with headphones. IMX can be switched out for an instant comparison with unprocessed audio. Tuner features a search mode for scanning up and down the FM and AM bands automatically—the system stops at each station

and locks it on-frequency. You can use the feather-touch control bar for manual tuning, and program 6 FM and 6 AM stations in memory for instant recall. Exact station frequencies are shown on the digital fluorescent display. FM muting eliminates tuning noise between stations. Separate 11-step bass, treble and midrange controls, loudness for improved bass response at low volume. High-filter cleans up record "scratch". Subsonic filter cuts power-robbing distortion. Stereo/mono pushbutton. Monitor and dubbing controls for two tape decks. Also has inputs for compact disc player, video sound source and magnetic turntable. LED indicators for function, memory, FM stereo and stereo expander. AC operation. **31-3006 . . . . . 999.95**

## SPECIFICATIONS

**AMPLIFIER.** Response: 15-25,000 Hz  $\pm 1$  dB. S/N: 84 dB phono, 100 dB aux. **Phono Overload:** 170 mV. **Phono Equalization:** RIAA  $\pm 2$  dB. **FM TUNER.** Sensitivity (IHF): 1.7  $\mu$ V (9.8 dBf). S/N: 70 dB. **Capture Ratio:** 1.5 dB. **Selectivity:** 70 dB. **Image Rejection:** 70 dB. **IF Rejection:** 85 dB. **Stereo Harmonic Distortion:** 0.2%. **Channel Separation (at 1 kHz):** 52 dB. **EXTERNAL CONNECTIONS:** AM antenna and 75 or 300-ohm FM antenna. A and B speaker pairs, 1/4" stereo headphone, tape 1 and 2 input/output, magnetic phono, TV/aux, CD/aux, two AC convenience outlets. **SIZE:** 13.3 x 47.6 x 36.8cm. \*TM Sci-Coustics, Inc.



**Save  
\$390<sup>80</sup>**

**SYSTEM  
1549<sup>00</sup>**

Low As \$55 Per Month

Reg.  
Separate  
Items  
1939.80

- Realistic STA-2280 AM/FM Stereo Receiver
- Two Optimus-900 3-Way Speaker Systems
- LAB-350 Front-Loading, Linear-Tracking Turntable With Magnetic Cartridge



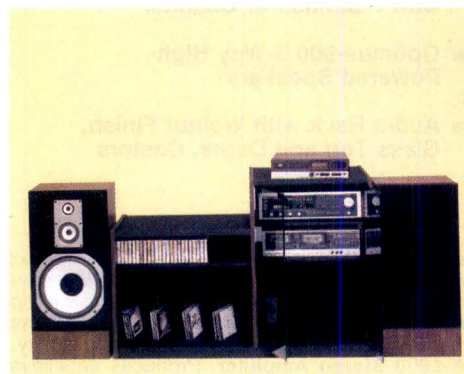
**Save  
\$490<sup>75</sup>**

**SYSTEM  
1979<sup>00</sup>**

Low As \$75 Per Month

Reg.  
Separate  
Items  
2469.75

- Realistic STA-2280 AM/FM Stereo Receiver
- Two Optimus T-120 3-Way Tower Speakers
- LAB-2200 Linear-Tracking Turntable
- Realistic SCT-74 Dual-Cassette Deck



**Save  
\$540<sup>70</sup>**

**SYSTEM  
2199<sup>00</sup>**

Low As \$80 Per Month

Recordings  
not included

Reg.  
Separate  
Items  
2739.70

- STA-2280 AM/FM Stereo Receiver
- Two Optimus-900 3-Way Speaker Systems
- CD-2200 Compact Digital Disc Player
- SCT-100 Dual-Cassette Deck ■ Audio Rack



# POWERFUL AM/FM RECEIVER WITH STEREO EXPANDER



65 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz, WITH MORE THAN 0.08% TOTAL HARMONIC DISTORTION

## 849<sup>95</sup>

ESP Available

- Variable IMX† Stereo Expander Creates Dramatically Enlarged Sound Images Ordinary Receivers Can't Match
- 11-Segment LED Audio Power Output Meter
- Special Noise Cancelling System
- Four-Speaker Outlet

†Trademark of SCI Acoustics Inc.

### SPECIFICATIONS

**AMPLIFIER.** Response: 20-20,000 Hz  $\pm$  1 dB. S/N: 83 dB phono, 86 dB aux. **Phono Overload:** 175 mV. **FM TUNER.** Sensitivity (IHF): 1.7  $\mu$ V (9.8 dBf). **Capture Ratio:** 1.0 dB. S/N: 78 dB. **Selectivity:** 65 dB. **Image Rejection:** 60 dB. **Stereo Harmonic Distortion:** 0.15%. **Separation (at 1 kHz):** 48 dB. **SIZE:** 12 x 47 x 27cm.

**Realistic® STA-870. AM/FM Stereo Receiver.** Features patented IMX† Stereo Expander which creates the illusion that sound is coming not only from between your speakers, but also from outside this area! The sound takes on an amazing "live" quality — it has to be heard to be believed! Five-segment signal strength meter, tape in/out and phono jacks plus an auxiliary input for adding VCR, video disc sound or compact disc player. Sub and High Filters lets you to hear the music, not the background noise! Special noise-cancelling circuitry eliminates switching "pops" that can damage speakers. Controls for FM mute, loudness, tape monitor, A/B speaker pairing. Separate bass, treble and balance controls. Lighted dial pointer. 1/4" stereo headphone jack. Metal case. **31-3001** ..... **849.95**



**Save**  
**\$320<sup>80</sup>**

**SYSTEM**  
**1199<sup>00</sup>**

Reg  
Separate  
Items  
1519.80

Low As \$45 Per Month

- Realistic STA-870 Stereo Receiver
- Two Optimus® -600 3-Way Speakers
- LAB-701 Belt-Drive Automatic Turntable

**Save**  
**\$430<sup>75</sup>**

**SYSTEM**  
**1599<sup>00</sup>**

Reg  
Separate  
Items  
2029.75

Low As \$55 Per Month

- Realistic STA-870 Stereo Receiver
- Two Optimus-45 3-Way Speaker Systems
- LAB-310 Belt-Drive Automatic Turntable
- SCT-74 Dual Stereo Cassette Deck

Recordings  
not included

**Save**  
**\$490<sup>70</sup>**

**SYSTEM**  
**1999<sup>00</sup>**

Reg  
Separate  
Items  
2489.70

Low As \$75 Per Month

- Realistic STA-870 Stereo Receiver
- Two Optimus-900 3-Way Speaker System
- LAB-2200 Linear Tracking Turntable
- SCT-82 Auto Reverse Cassette Deck
- Audio Rack

Convenient Charge and Lay-By Plans Available at Most Tandy Stores



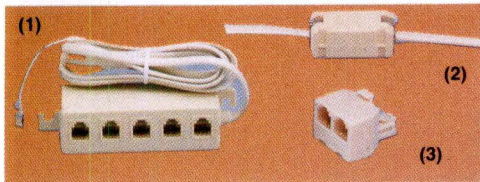
# DO-IT-YOURSELFERS' JACKS, PLUGS AND CORDS



## Modular Outdoor Wall Plates

**Outdoor Wall Plate.** Modular jack with flip-up cover, hardware, instructions. 279-340 . . . . 17.95

## Jacks and Adapters



- (1) **5-Outlet Modular Adapter.** Lets you connect up to five phone devices into one modular jack. 279-410 . . . . .17.95  
 (2) **Inline Coupler.** Interconnects two modular line cords. 279-358 . . . . .3.95  
 (3) **Duplex Jack.** Couples two modular phone devices into one jack. 279-357 . . . . .4.95

## Jack Extensions



Modular plug at one end, dual jacks at other (RJ11/14).  
 4 metres. 279-373 . . . . .8.95  
 7.5 metres. 279-363 . . . . .11.95

## Modular Crimping Tool



**9<sup>95</sup>**

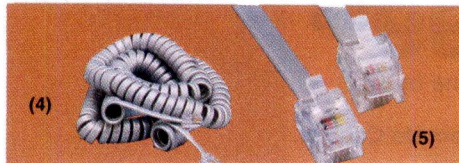


**4<sup>95</sup>**

Pkg. of 10

**Crimping Tool.** The quick, easy way to install modular line plugs on 4-conductor modular cable. 279-388 . . . . .9.95  
**Modular Line-Cord Connectors.** Use with crimping tool above.  
 279-384 . . . . .Pkg. 10/4.95

## Modular Line Cords



- (4) 5.5m Coiled Modular-to-Modular. Satin, 279-395. White, 279-396. Brown, 279-397 . . . . .6.95  
 (5) 3.6m Modular-to-Modular. 279-374 . . . . .4.95  
 7.5m Modular-to-Modular. 279-356 . . . . .5.95  
 13.3cm Modular-to-Modular. 279-390 . . . . .3.95

## Modular Handset Cords

### 7.5 metre

Color	Cat. No.	Each
White	279-301	9.95
Almond	279-302	9.95
Brown	279-304	9.95

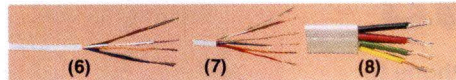


### 4 metre

Color	Cat. No.	Each
White	2799-306	7.95
Almond	2799-307	7.95
Brown	2799-309	7.95

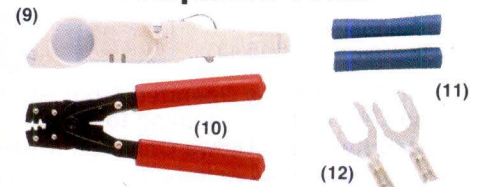
Low As  
**7<sup>95</sup>**

## Telephone Cable



- (6) 2-Pair twisted phone/intercom cable. 4 x 1 strand/0.5mm tinned conductors, color-coded. 278-9527 . . . . .metre/39¢  
 (7) 3-Pair twisted phone/intercom cable. 6 x 1 strand/0.5mm tinned conductors. Color-coded. 278-9528 . . . . .metre/59¢  
 (8) **Modular Cable.** Four conductors, 26-gauge, color-coded insulation.  
 15 metres. 278-365 . . . . .11.95  
 30 metres. 278-366 . . . . .21.95

## Telephone Tools



- (9) Wire Stripping Tool. 279-400 . . . . .4.95  
 (10) Phone Connector Crimp Tool. 64-410 . . . . 9.95  
 (11) Wire Spade Lugs. Insulation piercing. 64-3070 . . . . .1.99  
 (12) Wire Butt Connector. Insulated. 64-3073 . . 1.99



## 15 metre Extension Cable

NEW FOR 87

**19<sup>95</sup>**

Telecom Approval # C85/1/45.

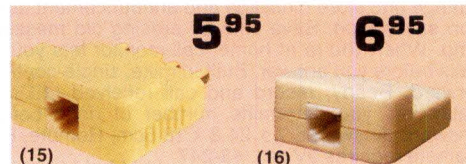
Make your telephone portable. No installation required. 279-9620 . . . . .19.95

## Telephone Plug and Socket



- Telecom Australia Engineering Approval #RA121  
 (13) **Telephone Type 605 Plug.** Save even more on your communications. 279-9605 . . . . .4.95  
 (14) **Telephone Type 610 Socket.** Standard design for easy mounting. 279-9610 . . . . .5.95  
 Accessory Kit. 279-9606 . . . . .1.49

## Modular Converters



- Telecom Australia Engineering Approval #RA85/108  
 (15) **Plug.** Run extension phones or answering machines from existing wall sockets. Make full use of your phone system. 279-9705 . . . . .5.95  
 (16) **Socket.** Accepts standard 605 phone plug. Connect components above for wide range of modular systems. 279-9710 . . . . .6.95

## Telephone Double Adapters

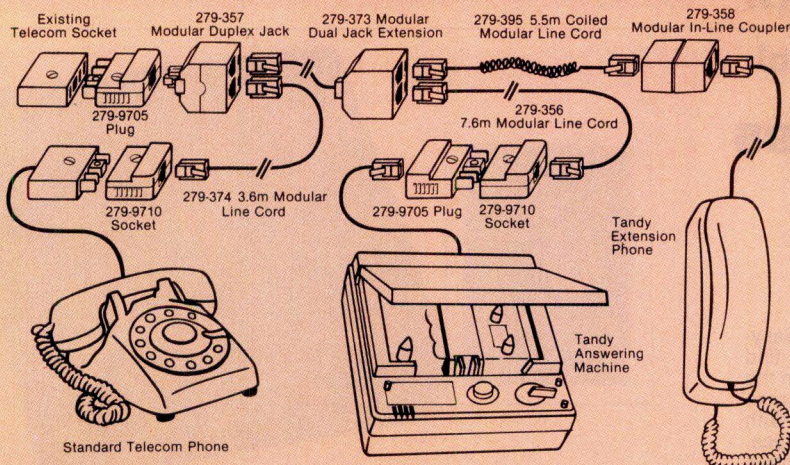
NEW FOR 87

**9<sup>95</sup>**



Versatile connector allows you to operate two telephone or a phone and an answering machine from a single outlet. Ideal for office or home. 279-9600 . . . . .9.95  
 Mode 3 wiring for computer modems. 279-9501, 29.95

## MODULAR SYSTEM ADAPTERS CONVENIENT TELEPHONE SYSTEM EXPANSION





# AM/FM STEREO RECEIVERS AND SYSTEMS

## Affordable AM/FM Receiver With Exclusive Auto-Magic®

ESP Available

**399<sup>95</sup>**

NEW  
FOR 87

Available Oct. 30, 1986

- Auto-Magic Fine-Tuning Automatically Locks In FM Stations for Best Reception and Sound
- 5-LED Signal Strength Meter for Easy Tuning

**Realistic STA-460.** Attractive styling and dependable performance at a remarkable price! Has all the features and controls that make it the perfect choice for your first system. Phase-locked loop IC circuit assures wider dynamic range. FM stereo and perfect-tuning LED indicators, lighted dial pointer. Loudness button for enhanced bass response, even at low volume. Noise-cancelling circuitry eliminates switching "pops" that can damage speakers. FM muting silences tuning noise between stations. A/B speaker-pair switching, stereo/mono switch. Rotary bass, treble, volume and balance controls. Tape, phono, CD/aux and TV/aux inputs. Fully protected against overheating and overload.

31-2100 ..... 399.95

**AMPLIFIER.** Response: 15-25,000  $\pm$  1 dB. S/N: 85 dB phono, 88 dB aux. **Phono Overload:** 140 mV. **FM TUNER.** Sensitivity (IHF): 2.8  $\mu$ V (14.2 dBf). **Capture Ratio:** 3.0 dB. S/N: 68 dB. **Selectivity:** 50 dB. **Image Rejection:** 50 dB. **Stereo Harmonic Distortion:** 0.6%. **Separation (at 1 kHz):** 34 dB. **Size:** 10.1 x 41.9 x 22.9cm



22 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz,  
WITH NO MORE THAN 0.08% TOTAL HARMONIC DISTORTION



Save \$160<sup>80</sup> SYSTEM

Reg. Separate  
Items 759.80

**\$599**

- Realistic STA-460 AM/FM Stereo Receiver
- Two MC-800 2-Way Walnut Veneer Speakers
- LAB 701 Belt Drive Turntable



Save \$230<sup>75</sup> SYSTEM

Reg. Separate  
Items 1129.75

**\$899**

- Realistic STA-460 AM/FM Stereo Receiver
- Two MC-1800 2-Way Walnut Veneer Speakers
- LAB 310 Belt Drive Semi-Auto Turntable
- SCT 35 Cassette Deck

## Versatile AM/FM Stereo Cassette/ Receiver and Soft-Touch Tape Controls

ESP Available

**459<sup>95</sup>**

- Dolby B NR Cuts Hiss, Extends Dynamic Range
- Dual 5-Segment LED Audio Level Output Meters
- Metal/CrO<sub>2</sub>/Normal Tape Selector ■ Auto-Stop

**Realistic SCR-2500.** Two of the most-wanted components at a price that's less than you might pay for a receiver or cassette deck alone. Sensitive tuner has LED FM stereo and precise-tuning indicators. Cassette deck lets you record from the tuner, phono and aux inputs, or "live" using the mike jacks. LED record and Dolby indicators, left/right record level controls, tape counter. Loudness control for improved bass response, at low volume. Twin protection circuits safeguard against overheating and speaker overload. 1/4" headphone jack. AC operation. 31-1995 ..... 459.95

**AMPLIFIER.** Response: 15-25,000  $\pm$  1 dB. S/N: 80 dB phono, 85 dB aux. **Phono Overload:** 110 mV. **FM TUNER.** Sensitivity (IHF): 2.0  $\mu$ V (11.2 dBf). **Capture Ratio:** 1.5 dB. S/N: 70 dB. **Selectivity:** 55 dB. **Image Rejection:** 38 dB. **Stereo Harmonic Distortion:** 0.9%. **Separation (at 1 kHz):** 35 dB. **CASSETTE.** Response  $\pm$  3 dB: 60-12,000 Hz (metal), 60-10,000 Hz (CrO<sub>2</sub>), 60-10,000 Hz (normal). **Wow and Flutter:** Less than 0.09% WRMS. S/N: 52 dB Dolby B (CCIR weighted). **Size:** 11.8 x 43.2 x 22.6cm



7 WATTS PER CHANNEL, MINIMUM RMS INTO 8 OHMS FROM 20-20,000 Hz,  
WITH NO MORE THAN 0.5% TOTAL HARMONIC DISTORTION



Save \$170<sup>80</sup> SYSTEM

Reg. Separate  
Items 819.80

**\$649**

- Realistic SCR-2500 Cassette/Receiver
- Two MC-800 2-Way Walnut Veneer Speakers
- LAB 701 Belt Drive Turntable



Save \$210<sup>80</sup> SYSTEM

Reg. Separate  
Items 1049.80

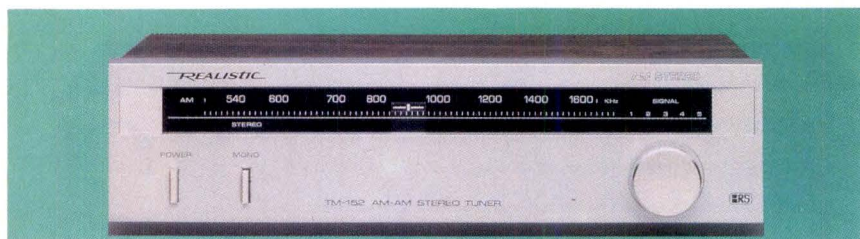
**\$839**

- Realistic SCR-2500 Cassette/Receiver
- Two Nova-15 2-Way Bass-Reflex Speakers
- LAB 310 Belt Drive Semi-Auto Turntable

Convenient Charge and Lay-Bye Plans Available at Most Tandy Stores and Participating Dealers



# MINI STEREO COMPONENTS AND AUDIO RACKS



**Realistic® TM-152.** Enjoy a wider choice of stereo programming. Pulls in full-dimensional stereo from any station broadcasting the Motorola C-Quam stereo system. Mono/stereo button, AM stereo LED, built-in antenna and terminals for external antenna. Walnut vinyl veneer, aluminium front panel. 6.3 x 23.5 x 15.2cm. AC operation. 31-1967 ..... 139.95

**Compact AM Stereo Tuner  
Adds a New Dimension to  
Your AM Entertainment**

**139<sup>95</sup>**

- Low-Cost Way to Add Great-Sounding AM Stereo To Any System With Line-Level Inputs
- 5-Segment LED Signal Strength Level Meter

## Matching Mini Stereo Tuner and Amplifier



**139<sup>95</sup>** Use Together as a Mini System Or With Other Components

**Realistic TM-150 AM/FM Stereo Tuner.** Phase-locked loop circuitry for superb stereo. Mono switch, FM stereo LED and lighted dial. AM antenna, terminals for external FM antenna. 6.2 x 23.5 x 15.2cm. AC operation. 31-1956 ..... 139.95

**Realistic SA-150 Stereo Amplifier.** Use with tuner, tape or changer. Mono/stereo button, tone control, 1/4" headphone jack. 6.3 x 23.5 x 15.2cm. AC operation. 31-1955 ..... 139.95



**Micro  
Stereo  
Amplifier**

**89<sup>95</sup>**

**Realistic SA-10.** Space-saver! Inputs for ceramic phono, tuner or tape deck. Stereo/mono button, tone and L/R volume controls. 8.3 x 20 x 14cm. AC operation. 31-1982 ..... 89.95



**Save  
\$85<sup>75</sup>**

Reg. Separate  
Items 425.75

**\$340**

\*Low As \$20 Per Month

- Realistic SA-10 Stereo Micro Amplifier
- Realistic TM-150 AM/FM Stereo Tuner
- Two Minimus® -0.3 Cube Speaker Systems
- SCT-34 Stereo Cassette Deck



**Save  
\$124<sup>75</sup>**

Reg. Separate  
Items 619.75

**\$495**

\*Low As \$20 Per Month

- Realistic SA-150 Stereo Mini Amplifier
- Realistic TM-150 AM/FM Stereo Tuner
- Two Minimus-25 2-Way Speaker Systems
- SCP-25 Auto-Reverse Cassette Play Deck



**Save  
\$104<sup>75</sup>**

Reg. Separate  
Items 519.75

**\$415**

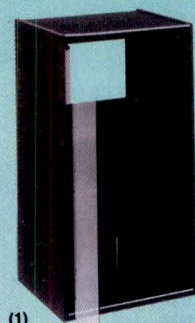
\*Low As \$20 Per Month

- Realistic SA-150 Stereo Mini Amplifier
- Realistic TM-150 AM/FM Stereo Tuner
- Two Minimus-17 Walnut Veneer Speakers
- SCT-34 Stereo Cassette Deck

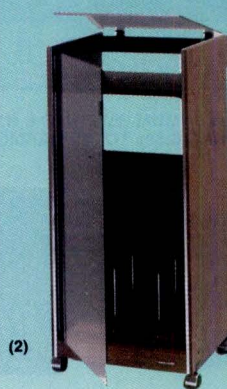


## Utility Cabinets for Every Need and Decor

NEW  
FOR 87



(1) **119<sup>95</sup>**



(2) **199<sup>95</sup>**



(3) **199<sup>95</sup>**



(4) **229<sup>95</sup>**

**(1) Vertical Cabinet.** Traditional design with a fixed bottom shelf, an adjustable centre shelf and metal dividers. Full length glass door. Walnut vinyl veneer walls. 87 x 37 x 38cm. 42-9514 ..... 119.95

**(2) Genuine Walnut Veneer Cabinet.** For that finishing touch of class! With swivel castors, glass lift top, full length glass door, three shelves, metal dividers. 102 x 47 x 44cm. 42-1100 ..... 199.95

**(3) Horizontal Cabinet.** A stylish, two-level design for maximum versatility and storage. With fixed bottom shelves, adjustable top shelf and full length glass doors. 79.5 x 115 x 39.5cm. 42-9516 ..... 199.95

**(4) Deluxe Cabinet.** Add elegance to your hi-fi system. Finished in attractive oiled walnut veneer. Three shelves, heavy duty castors, tempered full length glass door and hinged top. Easy to assemble. 46.7 x 114.4 x 44.5cm. 42-1130 ..... 229.95



# STEP UP TO REALISTIC® STEREO EQUALIZERS



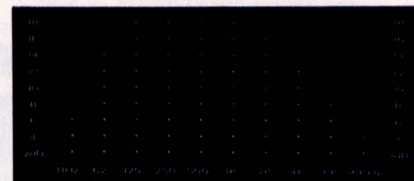
Available Nov. 30, 1986

## 10 Bands, Spectrum Analyzer And IMX® Stereo Expander

NEW FOR 87

**299<sup>95</sup>**

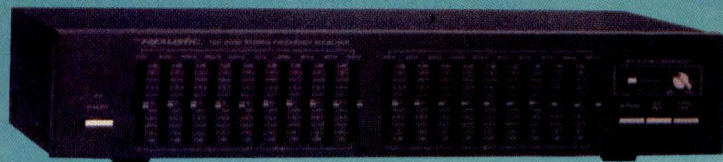
- Left and Right-Channel Linear-Sliding Boost/Cut Tone Controls
- EQ and Bypass Buttons
- Tape Control Function



90-LED, 3-Color Spectrum Display

With our best equalizer, you can hear and see the results as you tailor your system's sound. The built-in IMX Stereo Expander creates a dramatic "live" quality and reduces distortion at high volume. 20 narrow-band controls boost/cut response up to 12 dB at exact frequencies. Tape control centre for 2-deck dubbing, monitoring and recording equalized sound. Bypass button provides instant comparison between original and equalized sound. **31-2020** ..... **299.95**

**SPECIFICATIONS.** Band Centres: 31, 62, 125, 250, 500, 1000, 2000, 4000, 8000, 16,000 Hz. Response (flat setting): 5-50,000 Hz +0.5 dB, -1 dB. Range: ±12 dB. Harmonic Distortion: 0.02%. Hum and Noise: -90 dB. Size: 6.7 x 41 x 21.6cm. \*Trademark of Sci-Coustics, Inc.



NEW FOR 87

## 10-Band Equalizer With IMX Stereo Expander

ESP Available

**199<sup>95</sup>**

Create a Dramatic "Live" Sound Quality

Add more tonal control to your system and the exciting "live" sound of the stereo expander circuit. The 20 narrow-band controls let you boost/cut response up to 12 dB at precise frequencies — making even smaller systems sound exceptional. With linear-sliding controls, EQ button, tape monitor and bypass control. Power-on LED. AC operation. **31-9080** ..... **199.95**

**SPECIFICATIONS.** Band Centres: 31, 62, 125, 250, 500, 1000, 2000, 4000, 8000, 16,000 Hz. Response (flat setting): 5-50,000 Hz +0.5 dB, -1 dB. Range: ±12 dB. Harmonic Distortion: 0.02%. Hum and Noise: -90 dB. Size: 6.7 x 41.9 x 21.6cm.

## 10-Band Equalizer for Improved Stereo Sound

**179<sup>95</sup>**

Enjoy more tonal control of your sound system than ever before! The 20 narrow-band controls let you adjust response up to 12 dB at precise frequencies — making even smaller systems sound exceptional. Features EQ button for recording equalized sound, tape monitor and bypass control for instant comparison of original and equalized sound. Power-on LED. **31-2008** ..... **179.95**

**SPECIFICATIONS.** Band Centres: 31, 62, 125, 250, 500, 1000, 2000, 4000, 8000, 16,000 Hz. Response (flat setting): 5-50,000 Hz +0.5 dB, -1 dB. Range: ±12 dB. Harmonic Distortion: 0.02%. Hum and Noise: -90 dB. Size: 6.3 x 35 x 15cm.

## 7-Band Equalizer With EQ and Bypass Controls

**149<sup>95</sup>**

Budget-priced precision audio control! Seven slide-action controls for each channel let you boost/cut response up to 12 dB at exact frequencies. You can add "punch" to instruments or vocals, match your listening room's acoustics, even reduce record noise. EQ and monitor buttons for making high-quality recordings. Power-on LED. **31-1989** ..... **149.95**

**SPECIFICATIONS.** Band Centres: 50, 150, 400, 1000, 2400, 6000, 15,000 Hz. Response (flat setting): 5-50,000 Hz +0.5 dB, -1 dB. Range: ±12 dB. Harmonic Distortion: 0.02%. Hum and Noise: -90 dB. Size: 6.3 x 33 x 15cm.



# PRECISION LINEAR-TRACKING TURNTABLES

## Computer-Controlled Direct-Drive With Selectable Repeat Function



NEW  
FOR 87

**349<sup>95</sup>**

Available Oct. 30, 1986



Includes Realistic/  
Audio Technica  
Dual-Magnet  
Cartridge

- Programmable to Repeat One Side Over and Over
- Linear-Tracking Tonearm Plays Records the Same Way They Were Cut for Superior Sound
- Convenient, Front-Panel Soft-Touch Controls

**Realistic® LAB-2200.** A built-in microprocessor monitors the straight-line, low-mass tonearm to maintain proper stylus angle over the full surface of the record. The result is zero tracking error for cleaner sound and longer record life. Plug-in cartridge tracks at less than 1 1/2 grams. Fully automatic start and shut-off operation. Soft-touch pushbuttons provide logic-controlled cueing and bi-directional positioning so you never have to touch the tonearm. Built-in neon strobe and pitch control for precise adjustment. Also features automatic speed selection and record size control, plus a powerful, brushless DC servo motor. LED indicators for repeat, 33 1/2 and 45-RPM speeds. Includes 45-RPM adapter. Rumble: - 62 dB. Wow and flutter: less than 0.06%. 10 x 34.3 x 33.7cm. **42-2916 . . . . . 349.95**

## Direct Drive Automatic Turntable with Easy Access Controls



**279<sup>95</sup>**

- Strobe and Pitch Controls for Quick and Precise Speed Adjustments
- Front-Mounted Pushbuttons Control All Movement so You Never Need to Touch the Low Mass Tonearm
- Precision-Tracking Straight-Line Tonarm



Includes Realistic/  
Audio Technica  
Dual-Magnet  
Cartridge

**Realistic LAB-350.** Invest in pro-quality features for greater speed consistency and ease of operation! The stroboscope combines with the adjustable pitch control for precise, instant speed adjustments. A powerful brushless DC servo motor ensures that this setting remains constant. All the controls are up front — you can raise/lower the tone arm and adjust the record speed without

ever raising the cover. The straight line tone arm ensures that the stylus to groove angle is correct at every position. Static balance and antiskating controls protect records and stylus from undue wear. Features automatic return/shutoff. Rumble: 68 dB. Wow and flutter: 0.055%. 41.6 x 9.9 x 33.7cm. **42-9036 . . . . . 279.95**



## FEATURE-PACKED — QUALITY TURNTABLES

### Belt-Drive — Our Low-Priced, Easy-to-Use Automatic Turntable

# 249<sup>95</sup>

- Precision-Tracking Straight-Line Tonearm
- Convenient Front-Access Controls

Includes  
Realistic/Shure  
Moving-Magnet  
Cartridge



**Realistic LAB-310.** A worthy addition to any sound system, combining superior performance and quality reproduction at an affordable price. Belt drive absorbs vibrations so you hear only the music. Stylish compact design with easy-to-operate soft touch controls for record

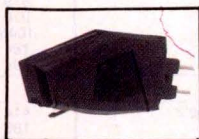
speed and cut. Features damped cue/pause, adjustable tracking and anti-skate to minimize wear to records. Tone arm automatically returns and system shuts off at end of record. Rumble: -64 dB. Wow and flutter: less than 0.07%. 11.4 x 35 x 36cm. **42-2913 . . . . .249.95**

## Our Budget Priced Turntable With Stylish Black Finish

# 179<sup>95</sup>

- Straight-Line Tone-Arm for Optimum Tracking
- Low Distortion and Excellent Tracking
- Pitch Adjustable Belt-Drive System

Includes  
Moving-Magnet  
Cartridge



**Realistic LAB-701.** Budget Priced Elegance; finished in a stylish black with plastic dust cover. The whisper quiet belt drive system and special D.C. governed motor will keep your records spinning and your speakers hopping. Some of the features include; auto-return at the

end of record; auto-reject so you can stop record and return tone-arm at any point with the press of a button; auto power off on return to rest position; specially damped cueing lifter. Rumble: -55 dB. Wow and Flutter: -0.08%. 9.2 x 33 x 42cm. **42-9040 . . . . .179.95**

Turntables on These Two Pages Have 33½ and 45 RPM Speeds — 45 RPM Adapter Included



# REALISTIC/SHURE MOVING-MAGNET CARTRIDGES

## Discover the Accuracy of Our RXT6


Dynamic Stabilizer for Superb Stereo—Even on Warped Records

NEW FOR 87

99<sup>95</sup>

Designed for superior performance in either pivotal or linear-tracking tone-arms. Telescoping stylus tracks at an ultra-light 1.25 to 1.75 grams. A new, lower-mass shank and tip assembly provide improved high-frequency trackability. With P-mount adapter and installation kit. 42-2795 ..... 99.95  
Replacement Stylus for RXT6. 42-2799 ..... 79.95



<b>Plug-In Cartridge</b>  <b>RX1500</b> <b>44<sup>95</sup></b> Diamond Elliptical Stylus. 15-25,000 Hz. 1-1.5 grams. Dual Magnet 42-2775 ..... 44.95	<b>High-Value Hi-Fi</b>  <b>34<sup>95</sup></b> Realistic/Shure R25XT Elliptical diamond stylus (10 x 18 microns). 20-20,000 Hz. Tracks at 2.5-3.5 grams. 42-2777 ..... 34.95	<b>Accurate Stereo</b>  <b>44<sup>95</sup></b> Realistic/Shure R47XT Features of R25XT, plus lighter 1.75-2.25 grams tracking. 20 dB separation. 42-2778 ..... 44.95	<b>Ultra-Light Tracker</b>  <b>69<sup>95</sup></b> NEW FOR 87 Realistic/Shure RXP-3 Elliptical diamond stylus. P-mount design. 20-20,000 Hz. Tracks at 1 1/4 grams. 42-2790 ..... 69.95				
<b>RT1500 Stylus</b>  <b>31<sup>95</sup></b> Diamond Elliptical. 1-1.5 grams. For RX1500, Audio Technica AT-102P, 102/112/ 122EP. 42-2776 ..... 31.95	<b>Diamond Styli for Realistic / Shure Cartridges</b> <table border="1"> <tr> <td data-bbox="407 637 689 806">   <b>29<sup>95</sup></b>                  Replaces R25, Shure M71 and M75ECS series. 42-2780 ..... 29.95             </td> <td data-bbox="689 637 972 806">   <b>34<sup>95</sup></b>                  Replaces R47, Shure M70 and M75 series. 42-2781 ..... 34.95             </td> <td data-bbox="972 637 1254 806">   <b>44<sup>95</sup></b>                  Replaces R1000, Shure M90, M75 T-2 Series. 42-2783 ..... 44.95             </td> <td data-bbox="1254 637 1533 806">   <b>49<sup>95</sup></b> NEW FOR 87                  Replaces RXP3 and Shure M92E, M99E and M104E. 42-2791 ..... 49.95             </td> </tr> </table>			 <b>29<sup>95</sup></b> Replaces R25, Shure M71 and M75ECS series. 42-2780 ..... 29.95	 <b>34<sup>95</sup></b> Replaces R47, Shure M70 and M75 series. 42-2781 ..... 34.95	 <b>44<sup>95</sup></b> Replaces R1000, Shure M90, M75 T-2 Series. 42-2783 ..... 44.95	 <b>49<sup>95</sup></b> NEW FOR 87 Replaces RXP3 and Shure M92E, M99E and M104E. 42-2791 ..... 49.95
 <b>29<sup>95</sup></b> Replaces R25, Shure M71 and M75ECS series. 42-2780 ..... 29.95	 <b>34<sup>95</sup></b> Replaces R47, Shure M70 and M75 series. 42-2781 ..... 34.95	 <b>44<sup>95</sup></b> Replaces R1000, Shure M90, M75 T-2 Series. 42-2783 ..... 44.95	 <b>49<sup>95</sup></b> NEW FOR 87 Replaces RXP3 and Shure M92E, M99E and M104E. 42-2791 ..... 49.95				

## Ceramic cartridge 21<sup>95</sup>

GCS 16(S) ceramic cartridge. 42-9990 ..... 21.95



## R6X Stylus 39<sup>95</sup>

Replaces R27 and the Shure M73/75E series. 42-2782 ..... 39.95



## Budget Cartridge 24<sup>95</sup>

Diamond Conical Stylus. Magnetic. 20-20,000 Hz Tracks at 3-5 grams. 42-2772 ..... 24.95



## RSK8C Stylus 19<sup>95</sup>

Diamond Conical. For QLM30 and ADC K series. 42-2771 ..... 19.95



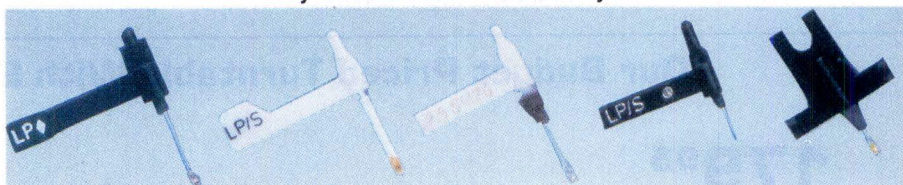
## ATN-771E Stylus 17<sup>95</sup>

Diamond Elliptical. For Audio Technica AT-70, AT-71, AT-71E. Tracks at 1.5-2.5 gram. 42-2774 ..... 17.95



## Save Your Records—Diamond Replacement Styli

Renew or upgrade your present stylus — don't let a worn stylus damage your records! All styli are shadow-graphed for uniform quality and response, so you're sure of getting only the best from a Realistic stylus!



Cat. No.	Manufacturers' Cartridge or Stylus No.	Goldring Stylus No.	Price
<b>AKAI</b>			
42-9816	PC-90	816	27.95
42-9672	RS33, RS10, RS35	1072	27.95
<b>AUDIO-TECHNICA</b>			
42-9572	VM8-7D	197	19.95
42-9816	AT-3711	816	27.95
42-9910	ATN-3401	910	27.95
42-9508	ATN-3600	1008	27.95
42-9672	ATN-3472-P	1072	27.95
<b>BSR</b>			
42-9104	TC8H, TC8M	35	8.95
42-9105	ST3, ST4	88/2	11.95
42-9107	ST12, ST14, ST15	442/2	11.95
42-9111	ST16, ST17	475/2	11.95
<b>COLUMBIA</b>			
42-9748	YM-121	748	19.95
42-9788	SJN-45	788	11.95
<b>EXCEL/GOLDRING</b>			
42-9575	S70HR	171	19.95
<b>GARRARD</b>			
42-9115	KS40A	444/2	11.95
<b>JVC</b>			
42-9623	DTZ1S	622	19.95
42-9672	DT-45	1072	27.95
<b>MARANTZ</b>			
42-9510	20SC	1010	19.95
42-9672	ATN3472-P	1072	27.95

Cat. No.	Manufacturers' Cartridge or Stylus No.	Goldring Stylus No.	Price
<b>NATIONAL/TECHNICS</b>			
42-9617	42-9617 EPS270ED	616E	27.95
42-9978	42-9978 EPS-25ED	978	19.95
42-9672	42-9672 EPS-91SMAD	1072	27.95
<b>PIONEER</b>			
42-9611	PN12, PN110	528	19.95
42-9672	PN250T	1072	27.95
<b>SANSUI</b>			
42-9748	SV44	748	19.95
42-9521	SN80	1021	19.95
<b>SANYO</b>			
42-9615	ST-27D	579	19.95
42-9910	MG35D	910	27.95
42-9546	STG-9	1046	19.95
42-9684	ST15D	184	19.95
42-9794	ST107	794	19.95
<b>SHURE</b>			
42-9609	N75/6/Type 2	414	19.95
42-9586	N-91ED	186	27.95
42-9640	N55/E	425E	27.95
<b>SONOTONE</b>			
42-9115	3509	444/2	11.95
<b>TETRAD</b>			
42-9549	C-2	464/2	11.95
<b>VACO</b>			
42-9550	65977	325	8.95

## We Can Get Those Hard-to-Find Styli and Cartridges

**STYLUS/CARTRIDGE REPLACEMENT ORDER FORM** X 1454

MAIL TO: GOLDRING AUDIO INDUSTRIES  
89 Chancelor Street,  
St. Leonards 2055  
Ph. (02) 439 3100

Ship to: TANDY ELECTRONICS  
Store No. ....  
Address .....  
Telephone No. ....

FOR: Name .....  
Address .....  
Telephone No. ....  
Deposit Paid .....  
Docket No. ....

GOLDRING REPLACEMENT D. ....  
At least 3 of the following figures must be filled in if above number is not known.  
"YOUR STEREO SYSTEM" BRAND NAME .....  
MODEL NUMBER .....  
MANUFACTURER'S STYLUS/CARTRIDGE NO. ....  
COLOUR .....  
OTHER INFORMATION .....  
Or please attach photograph of stylus/cartridge.

Distribution:  
Store Mail-up 3 copies to Goldring. 4th copy remains in book.  
Goldring: Return orange copy to store with order. Attach white copy to monthly invoice to Tandy Accounts Dept.

**Tandy ELECTRONICS**

Having trouble finding a replacement cartridge or stylus? Or even identifying your current one? Your local Tandy store manager can identify it, recommend a replacement and if it isn't in stock he will order one! Tandy's unique ordering system can supply any cartridge or stylus currently available in Australia.



# QUALITY ACCESSORIES FOR YOUR PHONO

## Dual-Range Audio Power Meter



**54<sup>95</sup>**

2-Watt and 200-Watt Ranges

Continuously monitors output to speakers and helps prevent power overload. Features 15 fast-response left and right-channel LED indicators, and range control switch. 5 x 14.3 x 9.2cm. 42-2107 ..... 54.95

## Magnetic Cartridge Stereo Preamp



**49<sup>95</sup>**

Matches Cartridge to Aux Input

Adapts equipment having only aux or ceramic phono inputs to accept the finest magnetic cartridges. AC operation. 42-2109 ..... 49.95

## Compact Disc-Cleaner

**24<sup>95</sup>**

Helps Protect Your CD Investment



Designed to eliminate "skipping" caused by fingerprints and other contaminants. Includes a cleaning pad, fluid and brush. 42-116 .... 24.95

## Carbon Fibre Record Cleaner

**14<sup>95</sup>**



Carbon fibre brush cleans dust off records, eliminates static charge for clear audio reproduction quality. Attaches easily to any turntable. A must for serious audiophiles. 42-9520 ..... 14.95

## Carbon-Fibre Cleaning Brush

**7<sup>95</sup>**



Over one million static-cutting fibres thoroughly clean your discs for prolonged record and stylus life. 42-118 ..... 7.95

## Foam Phono Cushions

**2<sup>95</sup>**

30.5cm-Diameter.  
42-361 ..... 2.95

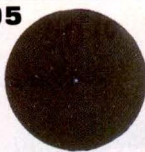


## Turntable Mat

**11<sup>95</sup>**

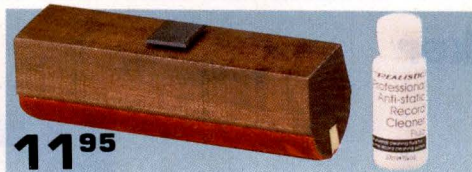
- Anti-Static
- Anti-Resonant

Carbon-impregnated foam cuts "crackle and pop". 42-362 ... 11.95



## Budget-Hydro Stor Cleaning System

**11<sup>95</sup>**



Protects Your Records

Velvet-surfaced cleaner, with solid wood handle protects and cleans all phonograph records. Easy to use. Fluid included. 42-101 .... 11.95

## Wet-or-Dry Record Cleaner

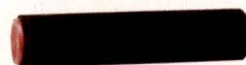
**3<sup>95</sup>**



Velvet-covered ionizer/cleaner removes dust and dirt, fights static. Includes stylus brush. 42-131 ..... 3.95

## Record Cleaner Bargain

**1<sup>99</sup>**



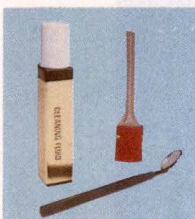
The lowest priced way to protect and prolong record and stylus life. 42-135 ..... 1.99

## Stylus Cleaner

NEW FOR 87

**1<sup>99</sup>**

Cleans lint and dust without harming your stylus. With fluid and mirror. 42-1084 ... 1.99



## Anti-Static Fluid

**3<sup>95</sup>**

Controlled Flow Tip

Cleans records, styli. Use with all fine cleaners. 42-105 ..... 3.95



## LP Spray Cleaner

**4<sup>95</sup>**

With Cloth

Sprays away record noise and cuts wear. 42-2500 ..... 4.95



## Glass Fibre Head Shell

**9<sup>95</sup>**



Cartridge housing fits most straight-line tonearms. With mounting hardware. 42-2699 ..... 9.95

## Replacement Head

**7<sup>95</sup>**

Fits most S-shaped tonearms. With hardware. 42-2752 ..... 7.95



## Clip-On Disc Brush

**1<sup>49</sup>**

Fits onto tonearm and cleans records as they play. 42-1073 ..... 1.49





# EXPERIENCE OUR FINEST REALISTIC® SPEAKERS



## 3-Way Bass Reflex Speakers with Massive 380mm Woofer

**499<sup>95</sup>** Each

- Digitally Ready for Today's Advanced Systems
- Powerful 380mm Woofer Pumps Out Incredible Bass
- 127mm Dynamic Midrange
- Tuned-Port Enclosure Design
- 100mm Dual Radial Super Horn Tweeter Extends Highs To 40,000 Hz for Crisp Musical Detail

**Realistic Mach Two®.** High-efficiency design and high power handling combine to make it the perfect choice for today's digital audio systems! Of course, it's also great for use with Hi-Fi and stereo VCRs. The high-compliance woofer and tuned-port enclosure team up for wall-shaking bass. Midrange response is exceptionally smooth and lifelike. Wide-dispersion horn tweeter delivers clean, detailed highs for extraordinary stereo depth and realism. Ferrofluid draws heat away from tweeter and midrange voice coils to cut distortion and increase power capacity. Variable midrange and tweeter level controls let you adjust output to match room acoustics. Removable cloth grille. **40-4032 . . . . . Each 499.95**

**Response:** 25-40,000 Hz. **Power Handling Capacity:** 160 watts. **Sensitivity:** 94 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 70 x 45 x 30cm.

## Bass-Reflex Speaker System

NEW  
FOR 87

**329<sup>95</sup>** Each

- Digital-Ready for Today's Advanced Systems
- Tuned-Port Enclosure for Enhanced Bass Response
- 64mm Liquid-Cooled Cone Tweeter
- 100mm Midrange Driver ■ Removable Cloth Grille
- 300mm Woofer

**Realistic Optimus® -900.** High-power capacity without the high-powered price! Tuned port enclosure and huge high-compliance woofer with massive 850g magnet combine for deep, solid low end response. Cone tweeter delivers crisp, clean highs and is ferrofluid cooled to cut distortion and increase power capacity. Midrange driver fills out the audio spectrum for an overall smooth, natural quality usually found only in much higher priced systems. Genuine walnut veneer with spring terminals. **40-1121 . . . . . 329.95**

**Response:** 50-20,000 Hz. **Power Handling Capacity:** 100 watts. **Sensitivity:** 90 dB (spl at 1 watt/1 metre). **Impedance:** 8 ohms. **Size:** 75.6 x 35.6 x 27.6cm





# FULL-RANGE OPTIMUS® 3-WAY SPEAKERS



## High-Efficiency Tower System In Genuine Oiled-Walnut Veneer

**379<sup>95</sup>**  
Each

- Digital-Ready
- 250mm Long-Throw Woofer
- Tuned-Port Enclosure
- 127mm Dynamic Midrange
- 25mm Liquid-Cooled Tweeter
- Vertical Design Saves Space

**Realistic Optimus® T-120.** A winning combination of stunning looks, high technology and space-saving tower design. Tuned-port enclosure helps produce deep, accurate bass. Dome tweeter is ferrofluid cooled to increase power handling capacity and delivers clean, crisp highs. Variable midrange and tweeter controls let you adjust output to the acoustics of your room. Hand-oiled walnut finish. Removable cloth grille. **40-2047 . . . . . 379.95**

**Response:** 50-20,000 Hz **Power Handling Capacity:** 80 watts. **Sensitivity:** 91 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 90 x 32 x 29cm



## Value-Priced Tuned-Port System

**239<sup>95</sup>**  
Each

- Powerful 200mm Woofer
- 100mm Midrange Driver
- 68mm Tweeter
- Removable Cloth Grille

**Realistic Optimus-600.** Enjoy good looks and exceptional sound quality usually found in much higher priced speaker systems. Efficient bass-reflex design and high-compliance woofer for excellent low-end response. Extended-range cone tweeter delivers crystal clear highs. Midrange driver for smooth mid-frequency response. Finished in stylish oiled walnut veneer. Color-coded spring-loaded terminals for easy hookup. **40-1100 . . . . 239.95**

**Response:** 50-20,000 Hz **Power Handling Capacity:** 70 watts. **Sensitivity:** 90 dB (SPL at 1 watt/1 meter). **Impedance:** 8 ohms. **Size:** 67 x 31 x 24.3cm



# SPEAKERS FOR GREAT SOUND ON BOOKSHELF/FLOOR

## 3-Way Bass Reflex Speakers

**279<sup>95</sup>**  
Each

- 250mm Long-Throw Woofer
- 100mm Dynamic Midrange
- 63mm Cone Tweeter
- Genuine Walnut Veneer

**Realistic Optimus® -45.** Perfect for any sized stereo system, big or small. A high compliance woofer and tuned port combine for solid bass response. And the edgeless cone tweeter is liquid cooled to handle more power without distortion or burnout. The sound really has to be heard to be believed! With high-frequency and midrange controls to adjust the sound to suit any room. The genuine walnut veneer can be oiled or stained to match your furniture. Removable cloth grille. 40-4033 ..... **279.95**

**SPECIFICATIONS.** Responses: 50-20,000 Hz. Power Handling Capacity: 70 watts. Sensitivity: 91 dB (SPL at 1 watt/1m). Impedance: 8 ohms. Size: 59.7 x 33 x 26cm.

## Our 5-Year Limited Warranty

Realistic MC Series Nova®, Minimus®, Optimus® and Mach Two® Speaker systems are warranted against defects for five years from the date of purchase. Within this period Tandy will repair the equipment without charge for parts and labour. Simply **bring your sales slip** as proof of purchase date to your Tandy store. Warranty does not cover transportation costs nor does it cover equipment subjected to misuse or accidental damage. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.



## Acoustic Suspension 2-Way System

**139<sup>95</sup>**  
Each **NEW FOR 87**

- 200mm Long-Throw Woofer
- 63mm Cone Tweeter

**Realistic® MC-1800.** Ideal for main speakers or extension use. High-compliance woofer and sealed enclosure for extended-range bass. Wide-dispersion tweeter. Response: 70-20,000 Hz. Power handling capacity: 50 watts. Removable cloth grille. Oiled walnut veneer. 45 x 27.6 x 17.6cm. 40-1992 ..... **139.95**



## 2-Way Bass-Reflex with 200mm Long-Throw Woofer

**169<sup>95</sup>**  
Each

- Tuned-Port Enclosure
- 63mm Dynamic Tweeter
- Genuine Walnut Veneer

**Realistic Nova®-15.** Smart looks and efficient design make this a great buy. Foam-surround woofer pumps out solid bass. Extended-range tweeter for clean highs. Response: 60-20,000 Hz. Power handling capacity: 60 watts. Removable cloth grille. Spring terminals. 48 x 27 x 19cm. 40-4034 ..... **169.95**



## Space-Efficient 2-Way Walnut Veneer System

**69<sup>95</sup>**  
Each

- 127mm Long-Throw Woofer
- 63mm Dynamic Tweeter

**Realistic Minimus® -25.** Small in size, yet this sealed-enclosure system delivers bass with a "punch". Response: 90-20,000 Hz. Power handling capacity: 40 watts. Removable cloth grille. Recessed spring terminals. 27.9 x 15.0 x 11cm. 40-223 ..... **69.95**



## Bookshelf-Sized 2-Way Walnut-Veneer System

**89<sup>95</sup>**  
Each

- Efficient 165mm Woofer
- 63mm Cone Tweeter

**Realistic MC-800.** Small enough for placement on most shelves, yet delivers remarkably smooth, wide frequency response of 100-20,000 Hz. Power handling capacity: 40 watts. Removable cloth grille. Genuine walnut finish. 34.3 x 22.5 x 13.5cm. 40-1975 ..... **89.95**





# OUR BIG-SOUNDING MINIMUS® SPEAKERS



## Amplified Mini-Speakers For Personal Stereos

**119<sup>95</sup>**  
Pair

Include Carry Case, Strap and  
Cable With Stereo Mini Plug

**Realistic Minimus-0.6.** Turn your personal stereo into a super-sounding 3-piece portable! 63mm powered speakers. 150-15,000 Hz LED "on" indicator, auto power-off. 14cm high. Requires 8 "C" batteries. **40-1259 . . . . . Pair 119.95**

Carry  
Case

## Affordable Minimus Extension Speakers



Low  
As **27<sup>95</sup>**  
Each

- A Shape and Size for Every Place
- Choose a Pair for Fine-Sounding Yet Low-Cost Stereo

- (1) **Minimus® -3.** Extension speaker with 127mm driver gives you solid bass. Walnut vinyl veneer. 7 watts. 25.4 x 21.6 x 14cm. **40-913 . . . . . 29.95**  
 (2) **Minimus-18.** Full-range 100mm driver, handy spring terminals. Walnut vinyl veneer. 10 watts. 24 x 14.6 x 12cm. **40-222 . . . . . 44.95**  
 (3) **Minimus-2.5.** Ideal extension speaker for your TV. 100mm driver. Walnut vinyl veneer. 10 watts. 16.8 x 12.4 x 10.5cm. **40-1999 . . . . . 34.95**  
 (4) **Minimus-0.3.** Cube speaker that's a great extension for personal stereos. 76mm driver. Walnut veneer. 7 watts. 10 x 10 x 8.5cm. **40-1250 . . . . . 27.95**  
 (5) **Minimus-17.** Cube speaker with sealed enclosure, 127mm full-range driver. Walnut veneer. 15 watts. 16.5 x 16.5 x 14cm. **40-225 . . . . . 49.95**

## Mini-Speakers with Wood, Metal Enclosures

**119<sup>95</sup>**  
Each

- Long-Excursion  
100mm Woofer
- 25mm Tweeter

(6) **Realistic Minimus-7W.** Only 20cm high, yet delivers excellent bass and highs! Ideal for second home stereo or upgrading portable stereo player. Finished in stylish genuine oiled walnut. Removable cloth grille. 40 watts maximum output. Input: 8 ohms. 20.3 x 12.7 x 10cm. **40-2039 . . . . . 119.95**

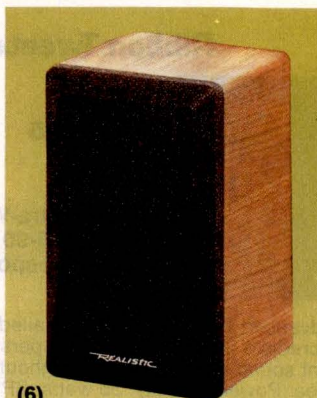
- 40 Watts Total  
Output
- For Home or Car

(7)(8) **Realistic Minimus-7.** Very compact, less than 20cm high, but with a 9IG sound! 2-Way system delivers 40 watts. Metal enclosures. Recessed spring terminals and hanger slots for wall mounting, or use brackets below. Input: 8 ohms. 18 x 11.3 x 11cm. **Silver 40-2034**  
**Black 40-2030 . . . . . 119.95**

## Mount Them in Your Car



**Mounting Brackets.** Durable, rugged steel design with modern matt black finish. Fully adjustable, tilt to any angle to "aim" your music. Allow you to attach Minimus-7's under bookshelves, suspended from ceilings or walls, on car rear decks or van side panels. **40-2031 . . . . . Pair 24.95**



(6)



(7)



(8)

## Our Super-Tweeter Enhance Any System

**39<sup>95</sup>**  
Each

Easy Parallel Hookup to  
Your Speaker System

**Dynamic.** Extends response to 40,000 Hz. Built-in crossover. Use outside of enclosure. Power handling capacity: 50 watts. 9.8cm dia. **40-1310 . . . . . 39.95**



## Mini-Speaker System for Home or Automobile

**44<sup>95</sup>**  
Each

- Just 14.6cm  
High
- 76cm Speaker

**Realistic® Minimus-3.5.** Puts big sound in the smallest places! High-density molded enclosure for extended bass response. Power capacity: 15 watts. Steel grille. Spring terminals. 14.6 x 9.2 x 7.9cm. **40-1996 . . . . . 44.95**

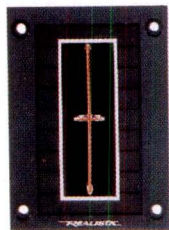
**Mounting Brackets.** For home or car. **40-1997 . . . . . Pair 19.95**





# TWEETER/MIDRANGE REPLACEMENT SPEAKERS

## Ribbon Tweeter



29<sup>95</sup>

NEW FOR 87

Ultra-Wide  
2.5-30 kHz  
Response

Advanced design delivers detailed highs to an incredible 30,000 Hz! Wide dispersion for excellent sound and imaging throughout the listening area. Power capacity: 35 watts. SPL: 91 dB (1W/1M). 8 ohms. 40-1390 ..... 29.95

## Dual Radial Super Horn Tweeter



25<sup>95</sup>

Specially Designed for Wide Dispersion of Highs

Designed for extended response of 4-50 kHz. Power handling capacity: 70 watts. SPL: 90 dB (1W/1M). 8 ohms. 40-1377 ..... 25.95

## Wide-Dispersion Dome Tweeters



Polycarbonate Hard Dome

19<sup>95</sup>

Poly-Tron Dome

24<sup>95</sup>

Mylar Dome  
24<sup>95</sup>

These lightweight tweeters react quickly to input for excellent transient response and detailed stereo imaging. 8 ohms.

Fig.	Size (mm)	Cap. in W	Eff. Range (kHz)	SPL 1W/1M (dB)	Mag. Wt. (g)	Cat. No.	Each
1	19	40	3-30	91	17	40-1376	19.95
2	25	30	3-20	91	227	40-1370	24.95
3	25	40	6-20	87	153	40-1276	24.95

## Midrange Speakers



21<sup>95</sup>

29<sup>95</sup>

76mm Dynamic Midrange/Tweeter. Response: 700-20,000 Hz, 30 watts. SPL: 89 dB (1W/1M). magnet. 8 ohms. 40-1289 ..... 21.95

Wide-Dispersion Soft-Dome Midrange. Response: 1.5-10 kHz. 70 watts. SPL: 86 dB (1W/1M). 306g magnet. 8 ohms. 40-1281 ..... 29.95

## Acoustic Lens Tweeter

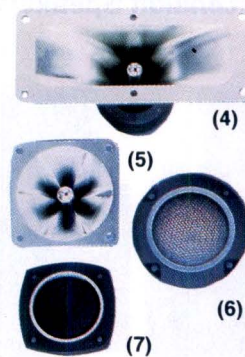


NEW FOR 87

29<sup>95</sup>

State-of-the-art design. Response: 5-25 kHz. Power handling capacity: 35 watts. SPL: 95 dB (1W/1M). 40-1388 ... 29.95

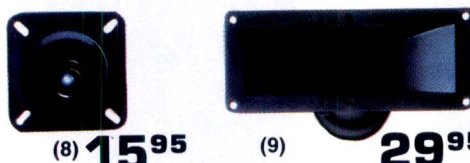
## Piezo Tweeters for High-Output Use



These tweeters use a ceramic driver element in place of a voice coil and magnet for lower mass and higher efficiency. 8 ohms.

Fig.	Type (mm)	Cap. in W	Eff. Range (kHz)	SPL 1W/1M (dB)	Cat. No.	Each
4	50x150 Horn	75	2-25	94	40-1379	29.95
5	89mm Super Horn	75	5-25	95	40-1381	25.95
6	95mm w/Dome	75	4-20	91	40-1382	21.95
7	50mm for Home/Car	75	5-25	93	40-1383	13.95

## Dynamic Tweeters



(8) 15<sup>95</sup>

(9)

29<sup>95</sup>

Wide, controlled dispersion. 8 ohms.

Fig.	Type (mm)	Cap. in W	F <sub>0</sub> (Hz)	Range Eff. (kHz)	SPL 1W/1M	Mag. Wt. (g)	Cat. No.	Each
8	57 Radial	50	2500	6-16	78	2.75	40-1278	15.95
9	50x150	60	1000	5-17	78	2.75	40-1228	29.95

## Cone Drivers



(10)

(11)

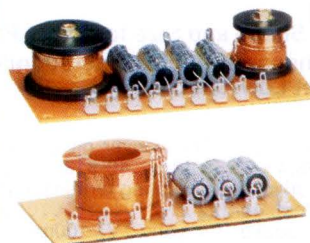
44mm  
Tweeter

Liquid-Cooled  
100mm Midrange

Extend high and mid-frequency response. Power handling capacity: 50 watts. 8 ohms.

Fig.	F <sub>0</sub> (Hz)	Eff. Range (kHz)	SPL 1W/1M	Mag. Wt. (g)	Cat. No.	Each
10	1700	5-20	91	57	40-1270	11.95
11	550	1.5-11	92	79	40-1282	19.95

## Universal Crossovers



Two-Way

19<sup>95</sup>

Three-Way

29<sup>95</sup>

Two-Way. Choice of three crossover points: 2000 Hz, 2500 Hz or 4000 Hz. 6 dB/octave. 100 watts. 40-1296 ..... 19.95

Three-Way. 800/5000 Hz, 800/7000, 1600/5000 Hz, 1600/7000 Hz. 6 dB/octave. 100 watts. 40-1299 ..... 29.95

## Mono L-Pad Controls



75-Watt Peak 13<sup>95</sup>



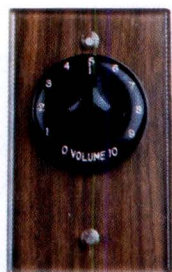
25-Watt Peak 7<sup>95</sup>

Control the volume of one 8-ohm monophonic speaker. Easy to mount in wall or speaker enclosure, even in a different room from your audio system.

75-Watt. 90-977 ..... 13.95

25-Watt. 40-980 ..... 7.95

## Stereo L-Pad Controls



19<sup>95</sup>

75-Watt Peak

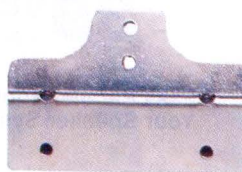
Control the volume of two 8-ohm speakers from any convenient location. Easy to install in standard electrical wall-box.

75-Watt. 40-978 ..... 19.95

## Wall Brackets

5<sup>95</sup> Pair

New Design



Each supports up to 23kg. With hardware for mounting of two speakers. 40-150 ... Pair 5.95

## Fiberglass Insulation

7<sup>95</sup>

Easy-to-install.  
0.84 sq. metres.  
42-1082 ... 7.95

## Fuse Holder

1<sup>99</sup>

Provide low-cost overload protection for your speakers.

270-1210 ..... 1.99





# SPEAKERS FOR CUSTOM SYSTEMS AND UPGRADING

## Long-Throw 100mm Woofer



**21<sup>95</sup>**

For Home Or Car

Long-throw design for solid bass response. Color-coded terminals. 8 ohms. 40-1022 ..... 21.95

Cap in W	Eff. Range (Hz)	F <sub>0</sub> (Hz)	Q <sub>TS</sub>	V <sub>AS</sub> (lt)	SPL 1W/1M (dB)	Mag. Wt. In g.
10	55-5000	55	.35	6.5	84	222

## 165mm Polypropylene Woofer



**34<sup>95</sup>**

Perfect choice for bookshelf-size systems. Clean bass transients. 8 ohms. 40-1011 ... 34.95

Power Cap (watts)	Eff. Range (Hz)	F <sub>0</sub> (Hz)	Q <sub>TS</sub>	V <sub>AS</sub> (lt)	SPL 1W/1M (dB)	Mag. Wt. In g.
50	50-6000	50	.60	73	89	278



## 200mm Foam-Surround Woofers

**39<sup>95</sup>**

Rigid paper cone. 40-9506 ... 39.95  
Polypropylene cone. 8 ohms. 40-1021 ... 39.95

Cap in W	Eff. Range (Hz)	F <sub>0</sub> (Hz)	Q <sub>TS</sub>	V <sub>AS</sub> (lt)	SPL 1W/1M (dB)	Mag. Wt. In g.
50	43-3000	43	.55	65	82	445
50	30-5000	30	.51	72	89	278

## 250mm Foam-Surround Woofer



**44<sup>95</sup>**

Long-throw design for solid "bottom" in your system's sound. Coded terminals. 8 ohms. 40-1331 .... 44.95

Cap in W	Eff. Range (Hz)	F <sub>0</sub> (Hz)	Q <sub>TS</sub>	V <sub>AS</sub> (lt)	SPL 1W/1M (dB)	Mag. Wt. In g.
50	40-4000	40	.93	122	91	250

## Wide-Range Speakers



Low As **3<sup>95</sup>**



Ideal for all kinds of new or replacement use.

Fig.	Size	Power Cap. (watts)	Eff. Range (Hz)	Magnet Weight In g.	Cat. No.	Each
1	76mm	2.0	-	11	40-248	4.95
1	57mm	0.5	-	11	40-246	3.95
1	51mm	0.5	-	11	40-245	3.95
2	w/Whizzer	20	55-12K	272	40-1285	24.95
2	152	5	90-12K	78	40-1242	13.95

## Full-Range 200mm Speaker

(3)



Low As **14<sup>95</sup>**



(4) **29<sup>95</sup>** With Whizzer

Perfect for quality sound reinforcement or background music systems. Use for clubs, auditoriums, schools, offices, recreation room, and other applications. 8 ohms.

Fig.	Cap. in Watts	Eff. Range (Hz)	F <sub>0</sub> (Hz)	SPL 1W/1M (dB)	Mag. Wt. In g.	Cat. No.	Each
3	10	75-25K	75	88	79	40-1271	14.95
—	10	90-20K	90	87	150	40-1272	17.95
4	30	57-16K	57	93	266	40-1286	29.95
—	35	55-16K	55	90	453	40-1341	31.95

## 300mm Woofer for Superb Bass Response



**69<sup>95</sup>**

Moves Large Volumes of Air for Bass You Can Feel!

Light, rigid cone delivers exceptionally smooth low-frequency response. 8 ohms. 40-9507 ..... 69.95

Power Cap. (watts)	Eff. Range (Hz)	F <sub>0</sub> (Hz)	Q <sub>TS</sub>	V <sub>AS</sub> (lt)	SPL 1W/1M (dB)	Magnet Wt. In g.
90	30-4000	30	.60	240	91	370

## Convenient Stereo Speaker Switch Box



■ Handles Up to Six Speakers

**24<sup>95</sup>**

The easy way to control three pairs of speakers from one central location. Select simultaneous or individual use of three pairs of stereo speakers. Rated at 10 watts rms. Modern silver finish matches many stereo components. 5.4 x 15 x 8cm. 40-9500 ..... 24.95

## High-Power Stereo Switch Box



NEW FOR 87

■ Handles Up to Eight Speakers

**54<sup>95</sup>**

For handling higher powered amplifiers/receivers. With built-in impedance-protection circuit. 100 watts peak. Don't let your speakers blow because of over-peaking noise levels. Versatile and affordable. 40-135 ..... 54.95

## Build Enclosures 8<sup>85</sup>

Everything You Need to Know

Speaker theory, sealed and ported enclosures, PA, testing and more. 62-2309 ..... 8.95

## Selector Switch



**13<sup>95</sup>**

Controls two pairs of stereo speakers. Metal case with pre-drilled tabs. With mounting hardware. 40-130 ..... 13.95

## Speaker Wall Jacks



**5<sup>95</sup>**

Fit in Standard Wall Box

Hook up stereo speakers anywhere. With two phono plugs, mounting hardware. 40-981 ..... 5.95

## Speaker Grille Cloth



Color-fast. Acoustically transparent. Shrink/fade resistant cloth.

Fig	Description	Size cm	Cat. No.	Each
1	Deluxe Brown	91 x 61	40-1936	17.95
2	Deluxe Black	91 x 61	40-1935	17.95



# REALISTIC PORTABLE ELECTRONIC KEYBOARDS

## 8-Note Polyphonic Keyboard With 5-Band EQ & 20 Preset Sounds



NEW  
FOR 87

**269<sup>95</sup>**

- Built-In Equalizer Lets You Add "Punch" To Selected Instruments or Presence To Soloist Sounds
- Auto-Accompaniment Keys Play Chords & Bass in Time With 12 Selectable Rhythms
- Slide Controls for Accompaniment Volume, Tempo, Melody and Main Volume

**Concertmate®-600.** Perfect for musicians or beginners who want to create great-sounding music without years of practice! Simulates the sounds of 20 instruments including: trumpet, electric guitar, accordion, flute, organ and mandolin. You can add automatic chord, bass and rhythm accompaniment. Features 49 mini keys, 4-octave range, 12 rhythms and pitch control, plus vibrato, delayed vibrato, sustain and reverb effects. Plays through built-in speaker, stereo system, PA amp or headphones. Auto power-off conserves batteries. Power-on LED, 1/8" headphone jack. Requires 5 "D" batteries or AC or DC adapter. **42-4005** . . . . . **269.95**

**Keyboard:** 49 keys, 4 octaves. **Preset Sounds:** Organ, Flute, Trumpet, Oboe, Violin, Piano, Harpsichord, Celesta, Mandolin, Funny, Pipe Organ, Clarinet, Horn, Accordion, Cello, Harp, Electric Piano, Vibraphone, Electric Guitar, Cosmic Tone. **Rhythms:** Rock, Pop, Disco, Swing, Samba, 16-Beat, Latin Swing, Bossa Nova, Beguine, Tango, Waltz, Slow Rock. **Chord:** 8-note polyphonic. **Size:** 6.4 x 63 x 18.7cm.

## 4-Note Polyphonic Sampling Keyboard With PCM Sound & 8 Presets



NEW  
FOR 87

**179<sup>95</sup>**

- Sampling Function Processes Ordinary Sounds Into Musical Tones
- 400-Note Memory ■ Slide Controls for Volume, Power/Play/Record and Mode

Available Nov. 15, 1986

**Concertmate-500.** Create unique music! Digital technology lets you record (sample) a sound, process it and store it in memory for later playback. Simulates 8 instruments, including jazz organ and even a human voice. Chord, bass and rhythm accompaniments, 32 mini keys, 2 1/2 octaves, 11 rhythm accompaniments, pitch control. Vibrato and portamento effects. Plays through built-in speaker, headphones, stereo/PA system. Auto power-off. Built-in mike. 1/8" mike and headphone jacks. Requires 5 "AA" batteries or AC or DC adapter. **42-4004** . . . . . **179.95**

**Keyboard:** 32 keys, 2 1/2 octaves. **Preset Sounds:** Piano, Brass Ensemble, Trumpet, Synthesized Drum, Human Voice, Flute, Pipe Organ, Jazz Organ. **Rhythms:** Rock, Pop, Disco, March, Samba, Bossa Nova, 4-Beat, Swing, Slow Rock, Waltz. **Chord:** 4-note polyphonic. **Size:** 4.4 x 45.7 x 15.2cm.

## Electronic Melody Maker With Programmable 100-Note Memory



**79<sup>95</sup>**

- Memory Plays Back Your Entire Melody Automatically or With 1-Key Selection
- Four Preset Tones and Ten Built-In Rhythm Accompaniments
- Piano-Style Keyboard ■ Built-In Speaker

**Concertmate-300.** Great family fun. You can create a melody, then change its tempo, add rhythm and choose its own musical accompaniment. Then change it again. Built-in rhythms include swing, rock, march and rhumba. Plays through built-in speaker, headphone, stereo system or PA amp. Has adjustable volume and pitch controls, auto power-off to save batteries, and power-on LED. 1/8" headphone jack. Requires 4 "AA" batteries or AC or DC adapter. **42-4003** . . . . . **79.95**

**Keyboard:** 29 keys, monophonic. **Preset Sounds:** Piano, Flute, Fantasy, Violin. **Rhythms:** March, Waltz, 4-Beat, Swing, Rock-1, Rock-2, Bossa Nova, Samba, Rhumba, Beguine. **Pitch Shift:** ± 1/2 tone. **Size:** 4.4 x 34.6 x 8.1cm.



# TANDY IS AUSTRALIA'S CABLE CONNECTION

## Gold-Plated Patch Cords

**14<sup>95</sup>** Our Finest Cables

Maximum fidelity, minimum loss. 1m stereo cable with four low-capacitance, plated plugs. 42-2601 ..... 14.95

## Patch Cables

Low As **7<sup>99</sup>**

Color-coded phono plugs. 1m. 42-2354 ..... 7.99 2m. 42-2355 ..... 9.99

## Audio Cable Set

**5<sup>99</sup>** Set of Four

Shielded to prevent hum and signal loss. Color coded for simple hookups. 0.9m long. 42-2309 ..... Set 5.99

## Stereo Patch Cords

Low As **4<sup>99</sup>**

Length	Cat. No.	Each
0.9m	42-2351	4.99
1.8m	42-2352	5.99

## Patch Extension

**4<sup>59</sup>**

Lengthens patch cable for wider "reach." Two phono plugs to two phono jacks. 0.9m long. 42-2353 ..... 4.59

## Dipole Antenna

**4<sup>59</sup>**

Outperforms Built-Ins

Get better FM reception! Spade lugs connect to receiver's 300-ohm antenna terminals. 42-2385 ..... 4.59

## Stereo Y-Adapter

**7<sup>99</sup>**

Let's you record from head-phone jack. 1/4" stereo plug and two phono plugs. 1.8m cable. 42-2474 ..... 7.99

## Speaker Cables

Length	Cat. No.	Each
7.3m	42-2455	7.99
7.3m	42-2456	6.99
7.3m	42-2457	6.99

## Mini Y-Adapters

Low As **5<sup>99</sup>**

Connects portable stereo to a home hi-fi. 1/8" plug to two phono plugs.

1m. 42-2475 ..... 5.99 2m. 42-2481 ..... 6.99

## Dubbing Cords

(1) **4<sup>59</sup>** (2) **4<sup>59</sup>** 1.8m Long Each

(1) Earphone jack to mike jack. 1/8" plug. 42-2152 ..... 4.59 (2) Tape-out phono plug, 1/8" mike plug. 42-2461 ..... 4.59

## Cables With 1/8" Mini Plugs

Low As **3<sup>49</sup>**

1.8m Shielded Cable

Fig.	Description	Cat. No.	Each
3	Mini Phone Plug to Mini Phone Plug	42-2420	3.79
4	Mini Phone Plug to Mini Phone Jack	42-2472	4.79
5	Mini Phone Plug to Phono Plug	42-2444	3.49
6	Mini Phone Plug to Stripped Ends	42-2434	3.79
7	Mini Phone Plug to Stereo Phone Plug	42-2157	4.49

## With Phono Connectors

Shielded

Fig.	Description	m	Cat. No.	Each
8	Phono Plug to Phono Jack	0.9	42-2361	3.79
8	Phono Plug to Phono Jack	1.8	42-2362	3.99
8	Phono Plug to Phono Jack	3.6	42-2363	4.79
9	Phono Plug to Phono Plug	0.5	42-2365	2.79
9	Phono Plug to Phono Plug	0.9	42-2366	2.99
9	Phono Plug to Phono Plug	1.8	42-2367	3.79
9	Phono Plug to Phono Plug	3.6	42-2368	4.59
10	Phono Plug to Stripped, Tinned	0.9	42-2370	2.59
10	Phono Plug to Stripped, Tinned	1.8	42-2371	3.19

## Cables With 1/4" Phone Plug

Low As **3<sup>99</sup>**

Shielded

Fig.	Description	m	Cat. No.	Each
11	Phone Plug to Phone Jack	1.8	42-2377	3.99
12	Phone Plug to Inline Jack	3.6	42-2378	6.99
13	Phone Plug to Phone Plug	1.8	42-2381	4.99
14	Phone Plug to Phono Plug	1.8	42-2373	4.59
15	Phone Plug to 90° Phono Plug	1.8	42-2440	3.99
16	Phone Plug to Mini Plug	1.8	42-2433	3.99

## Y-Adapter Cables

Fig.	Description	cm	Cat. No.	Each
17	2 RCA Plugs to 1 RCA Jack	10	42-2435	4.49
18	1 RCA Plug to 2 RCA Jacks	8	42-2436	4.49
19	2 RCA Plugs to 1 RCA Plug	10	42-2438	4.59
20	2 RCA Plugs to 1/8" Phone Plug	23	42-2153	3.49
21	1-1/8" Plug to 2 RCA Jacks	23	42-2154	3.79
22	2 RCA Jacks to 1/4" Plug	14.6	42-2150	3.99
23	1-1/4" Stereo Jack to 2 RCA Plugs	—	42-2471	4.99
24	2 RCA Jacks to 1/4" Stereo Plug	—	42-2477	4.49
25	1-1/4" Jack to 2 1/4" Plugs	—	42-2156	5.99

## 5-Pin Din Cables

Fig.	Description	cm	Cat. No.	Each
26	5 Pin Din to 5 Pin Din	180	42-2151	8.99
27	5 Pin Din to 4 RCA Sockets	15	42-2394	7.99
28	5 Pin Din to 4 RCA Plugs	180	42-9522	6.99
29	5 Pin Din to 2 1/8" Mono Plugs	76	42-9251	4.99
30	5 Pin Din Plug to 5 Pin Din Socket	—	42-9552	8.99
31	5 Pin Din Plug to 2 RCA Plugs	—	42-9553	5.99

## Lug Cables

Fig.	Description	Gauge	m	Cat. No.	Each
32	RCA Plug to Lugs	24	7.3	42-2450	3.99
32	RCA Plug to Lugs	24	3.7	42-2449	3.49
33	1/8" Plug to Lugs	24	7.3	42-2454	3.49
34	Lugs to Lugs	24	7.3	42-2446	3.49
34	Lugs to Lugs	24	3.7	42-2447	2.29

## Mike Cable

**7<sup>99</sup>**

7.5m Shielded Mike Extension. 1/4" jack to 1/4" plug. 42-2379 ..... 7.99

**9<sup>99</sup>** Coiled Guitar Cords **7<sup>99</sup>**

1m retracted. Extends to 4.5m. Straight 1/4" plug to 90° 1/4" plug. 42-2473 ..... 9.99 1m retracted. Extends to 3.5m. Two right angle (90°) 1/4" plugs. 42-978 ..... 7.99

## Phono Plug Cables

Low As **3<sup>49</sup>**

RCA Plugs on Ends

m	Color	Gauge	Cat. No.	Each
15.6	Brown	18	42-2480	9.99
7.3	Brown	18	42-2478	7.99
7.3	Grey	24	42-2392	4.59
7.3	White	24	42-2430	4.59
3.7	Grey	24	42-2445	3.49
3.7	White	24	42-2431	3.49

Turn to Pages 100 and 101 for The Largest Range of Adapters and Plugs in Australia



# FULL-SIZE HEADPHONES FOR EXCITING STEREO



99<sup>95</sup>



NEW  
FOR 87  
69<sup>95</sup>



59<sup>95</sup>

Available Dec. 15, 1986

## Studio Quality Stereo For Listening Pleasure

**Realistic PRO-60.** Our best full-size headset! Variable-density cushions fit comfortably over your ears. "Acoustic resonance" design delivers solid bass response with open, transparent midrange and treble—all with extremely clean sound. Total harmonic distortion is less than 0.5%. 15-30,000 Hz frequency response. 3-metre coiled cord, 1/4" plug. 33-999 ..... 99.95

**Realistic Nova®-55.** These slim-silhouette phones are light on your ears and your budget. Specially designed low mass drivers deliver excellent transient response, without coloration. Soft vinyl, foam-filled cushions seal out outside sounds. 20-20,000 Hz frequency response. 3-metre coiled cord, 1/4" plug. 33-2004 ..... 69.95

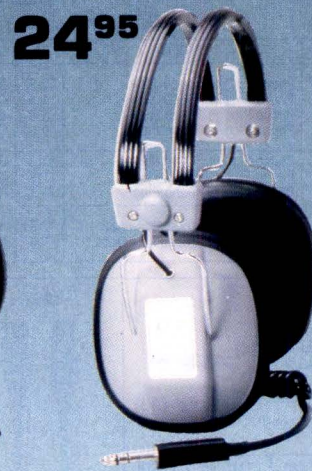
**Realistic PRO-30.** These slim-silhouette phones are light on your ears and your budget. Specially designed low-mass drivers deliver excellent transient response—you hear your favourite music with no coloration. 20-20,000 Hz frequency response. 3-metre coiled cord, 1/4" plug. 33-995 ..... 59.95



49<sup>95</sup>



34<sup>95</sup>



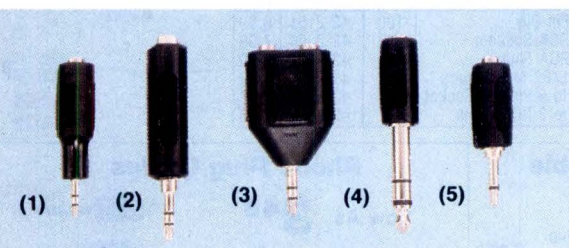
24<sup>95</sup>

## Rich Stereo Listening At a Great Low Price

**Realistic Nova-40.** Big 8.9cm drivers produce full-range sound—from deep, rich bass to soaring highs. Cushioned earcups and padded, adjustable headband for real comfort. 30-18,000 Hz. 3-metre coiled cord, 1/4" plug. 33-993 ..... 49.95

**Realistic Nova-16.** Exclusive Glide-Path volume/balance controls. Foam padded, adjustable headband and air-cushion earpads. 50-15,000 Hz. 1.9-metre cord, 1/4" plug. 33-1019 ..... 34.95

**Realistic Nova-10.** Our lowest priced full-size headphones. The 5cm drivers deliver full bass. Air-cushion earpads. 50-15,000 Hz. 1.9-metre cord, 1/4" plug. 33-1012 ..... 24.95



### Plug Adapters for Headphones

- |  |      |
|--|------|
| (1) 1/8" to 3/32". 274-373 .....               | 5.29 |
| (2) 1/4" to 1/8". 274-366 .....                | 4.99 |
| (3) 1/8" Y-Adapter. 274-313 .....              | 5.95 |
| (4) 1/8" to 1/4". 274-367 .....                | 4.79 |
| (5) Mono-to-Stereo Jack Adapter. 274-368 ..... | 2.79 |

### Audio Extension Cables

Low  
As 8<sup>99</sup>

For 1/4"  
Plugs

- |                                   |      |
|-----------------------------------|------|
| 7-metre Coiled. 42-2443 .....     | 9.99 |
| 6-metre Non-Coiled. 42-2442 ..... | 8.99 |

### 1/4" Headphone Y-Adapter

7<sup>99</sup>

1-metre cable connects two headphones to a single 1/4" jack. 42-2448..... 7.99

### 6-m 1/8" to 1/4" Cable

7<sup>99</sup>

Connects 1/8" stereo mini jack to 1/4" stereo plug. 42-2460 ..... 7.99

### 1/8" Headphone Y-Adapter

6<sup>99</sup>

Use two headsets with one portable. 1/8" plug and jacks. 42-2463 ..... 6.99



# LIGHTWEIGHT HEADPHONES — MUSIC TO GO



## Stereo Sound for Personal Portables

**Realistic Nova-45.** Rare-earth magnets deliver deep bass. Weighs 93g. 20-20,000 Hz. 2-m cord, 1/8" plug. Includes 1/8" to 1/4" adapter. 33-1021 ..... **44.95**

**Realistic Nova-52.** Folds up for easier carrying. Weighs 70g. 50-20,000 Hz. 2-m cord. 1/8" plug. 33-979 ..... **34.95**

**Realistic Nova-51.** Same fold-up design and features, but 1/4" plug. 33-978 ..... **34.95**

**Realistic Nova-35.** Foam earpads and adjustable headband. Weighs less than 113g. 50-20,000 Hz. 1.5-m cord, 1/8" plug. Includes 1/8" to 1/4" adapter. 33-1035 ..... **24.95**

**Realistic Nova-50.** As above, but with 2-m cord and 1/4" plug. 33-998 ..... **24.95**

**Realistic Nova-37.** Fits comfortably inside your ear. Great for active people. Adjustable headband. Only 56g. 50-20,000 Hz. 1.2-m cord, 1/8" plug. 33-2003 ..... **27.95**

### Stereo/Mono Under-Chin Headset

**16.95**

- Dynamic Elements



This lightweight headset is just right for use with dictation machines or for listening to music. With 1.4-m cord, 1/4" plug. 33-196 ..... **16.95**

### Headphones On-A-Budget

**8.95**

- Weighs Only 56 gram
- Adjustable Headband



**Nova-34.** Great sound in an economy package! Foam earpads. 1.2-m cord, 1/8" plug. 33-1000 ..... **8.95**  
Extra Earpads. 33-375 ..... **1.99**

### Big-Value Headphones

**17.95**

- Wide Response
- Foam Earpads



**Nova-33.** Feathery light at only 35g. 50-20,000 Hz audio response. 1.2-metre cord, 1/8" plug. 33-976 ..... **17.95**

### Ultra-Light In-Ear Design

**21.95**



Slips Into Outer Ear



No headband needed! Foam cushions. Weighs just 17g. 50-20,000 Hz, 1.2-metre cord, 1/8" plug. 33-977 ..... **21.95**  
Extra Earpads. 33-376 ..... **1.99**

### Mono Clip-On Earphone

**6.99**

Fits most portable TV sets and cassette recorders. For new or replacement use. 3-m cord, 1/8" plug. 33-177 ..... **6.99**



### Monoaural Earphones

**2.99**

Each



With earclip, 1 metre cord. 3/32" Plug. 33-174 ..... **2.99**  
1/8" Plug. 33-175 ..... **2.99**

### Mono Earphone Cord

**3.99**



6-metre twisted extension cord with 1/8" jack and plug. Use with any mono plug on this page. 33-176 ..... **3.99**

### Nova-Fone® Earphone

**12.95**

Comfortable



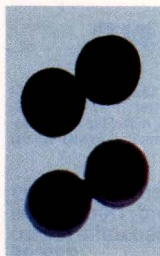
An amazing performer! Completely covers your ear and delivers full-range sound. 1/8" plug fits many portables. 33-1036 . **12.95**

### Replacement Earpad Set

**3.99**

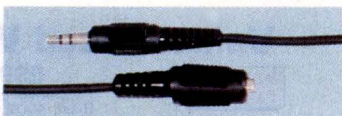
Set of 4

These polyurethane foam covers fit most lightweight headsets. 2 blue, 2 black. 33-374 ..... **3.99**



### Stereo Extension Cord

**7.99**



6-metre lightweight, highly flexible cord with 1/8" stereo mini plug and jack. 42-2462 ..... **7.99**

### Private Pillow Speaker

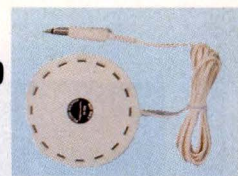
**11.95**



Slips under pillow for private and late-night listening. Volume control. 1/8" jack fits most portables. 33-207 ..... **11.95**

### Budget Pillow Speaker

**6.99**



Small price for privacy and convenience! Listen to TV, clock radios or portables without disturbing others. 1/8" plug. 33-206 ..... **6.99**



# REALISTIC® STEREO DUAL-CASSETTE DECKS



**Realistic SCT-100.** Besides high-speed dubbing, the dual decks let you record *both* sides of one tape and play *both* sides of two tapes in sequence, automatically. Playback-only deck-1 is designed for superior sound. Record/play deck-2 has the latest recording features for optimum frequency response. Dolby B cuts tape hiss and extends dynamic range, and Dolby C reduces noise to an amazing one-hundredth of its original level! Also has "soft-touch" controls, full auto-stop, metal/CrO<sub>2</sub>/normal tape selectors and pause controls for both decks. Separate record level controls, 3-digit tape counter. 1/4" headphone and mike jacks. AC operation. **14-644** ..... **479.95**

**Our Best! Dolby® B-C NR  
And Double Auto-Reverse**

**NEW  
FOR 87**

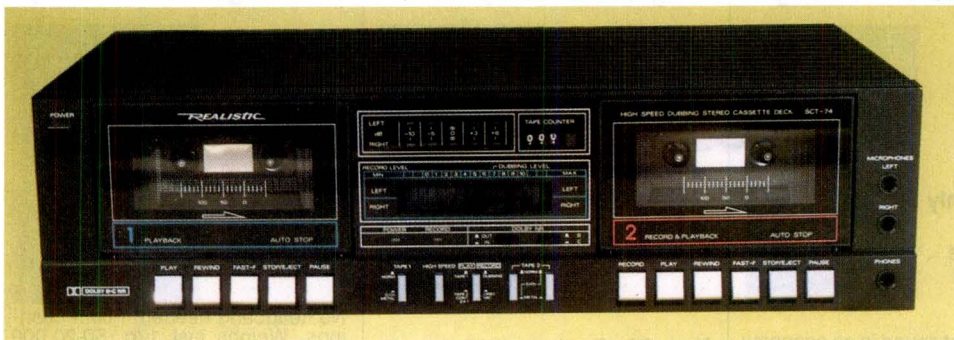
**479<sup>95</sup>**

ESP Available

- Make Quality Copies of Your Personal Cassettes in Half the Normal Time
- Switchable Sequential-Play Mode
- 2-Color 8-LED Peak Level Meters

**Response**  $\pm 3$  dB: 40-14,000 Hz (metal), 40-13,000 Hz (CrO<sub>2</sub>/Hi-Bias), 40-12,500 Hz (normal). **Wow and Flutter:** 0.08% WRMS. **S/N:** 63 dB Dolby C; 61 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.5% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 12.1 x 43 x 25cm

\*TM Dolby Laboratories Licensing Corp.



**Realistic SCT-74.** All controls work with a light touch of your finger. High-speed dubbing lets you make copies of personal tapes in half the normal time. Play-only deck-1 delivers superb sound during playback. Deck-2 is a recorder/player with optimum recording features. Dolby B extends dynamic range and Dolby C dramatically reduces background noise. Both decks have metal/CrO<sub>2</sub>/normal selectors, auto-stop and pause controls. Separate record level controls, power and record LEDs. 3-digit tape counter. 1/4" mike and headphone jacks. AC operation. **14-649** ..... **359.95**

**"Soft-Touch" Dual Deck  
With Dolby B and C NR**

**NEW  
FOR 87**

**359<sup>95</sup>**

ESP Available

Available Nov. 15, 1986

- Continuous-Play Mode Automatically Plays Two Tapes in Sequence
- 2-Color 5-LED Peak Level Meters

**Response**  $\pm 3$  dB: 40-14,000 Hz (metal), 40-12,500 Hz (CrO<sub>2</sub>/Hi-Bias), 40-10,000 Hz (normal). **Wow and Flutter:** 0.12% WRMS. **S/N:** 70 dB Dolby C; 60 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.0% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 11 x 42 x 21cm



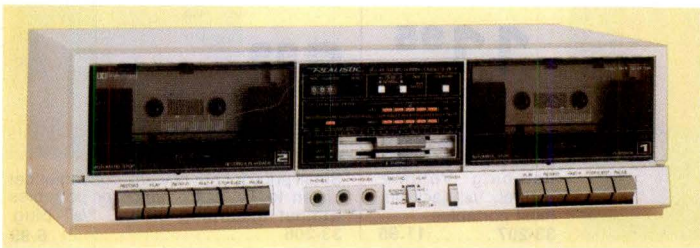
**Soft-Touch Dubbing With Dolby B**

**299<sup>95</sup>**

ESP Available

**Response**  $\pm 5$ dB: 60-14,000 Hz (metal), 60-12,500 Hz (CrO<sub>2</sub>/Hi-Bias), 60-10,000 Hz (normal). **Wow and Flutter:** 0.12% WRMS. **S/N:** 70 dB (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.0% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 11 x 42 x 21cm.

**Realistic SCT-72.** Make personal copies in half the time. Play-only Deck-1 gives superior sound. Deck-2 has optimum record facilities. With Auto-Stop and metal/CrO<sub>2</sub>/normal bias selectors. Also plays two tapes in sequence. Mike and phone jacks. **14-637** ..... **299.95**



**Value Priced With Dolby B NR**

**NEW  
FOR 87**

**229<sup>95</sup>**

ESP Available

**Response**  $\pm 3$ dB: 40-14,000 Hz (metal), 40-13,000 Hz (CrO<sub>2</sub>/Hi-Bias), 40-12,000 Hz (normal). **Wow and Flutter:** 0.15% WRMS. **S/N:** 60 dB (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.2% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 12.7 x 42 x 20.3cm.

**Realistic SCT-45.** Low in price, big on features. Has high speed dubbing and sequential-play. Playback Deck-1 selects proper bias. Record Deck-2 has metal/CrO<sub>2</sub>/normal switch. Both have auto-stop and pause, separate record levels. Mike and headphone jacks. AC operation. **14-643** ..... **229.95**



# LOW-COST STEREO RECORD/PLAY DECKS

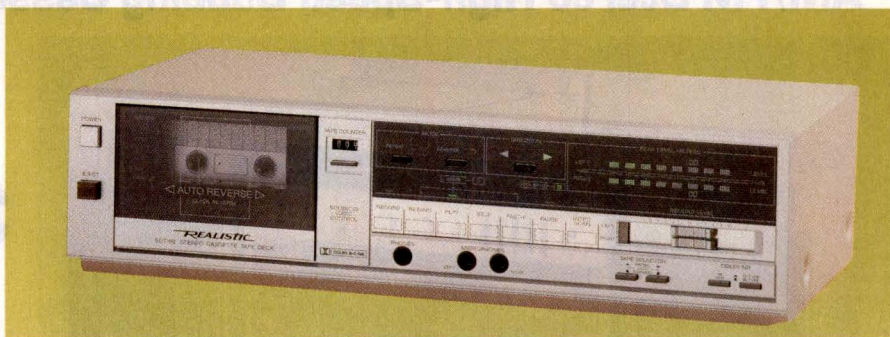
## Logic-Controlled Auto-Reverse Cassette With Dolby B-C NR

NEW  
FOR 87

**429<sup>95</sup>**

ESP Available

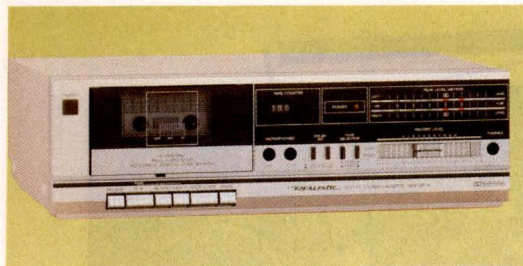
- High-Speed Automatic Search Music System Helps You Find Selections Quickly
- Intro-Scan Lets You "Sample" Passages
- 2-Color 8-LED Peak Recording Level Meters



**Realistic SCT-82.** Solenoid operation assures smooth, precise tape handling. Quick auto-reverse changes direction in less than a second, and operates on both playback and record. Mode selector lets you choose one side, both sides, or continuous repeatable playback of both sides. Dolby B-C noise reduction cuts tape hiss and extends dynamic range. Also features full auto-stop, metal/CrO<sub>2</sub>/normal bias selector and separate slide-action record level controls. LED indicators for direction, ASMS, record, play, pause, intro-scan and Dolby C. 3-digit tape counter. 1/4" mike and headphone jacks. AC operation. 14-638 ..... **429.95**

**Response** ± 3 dB: 40-16,000 Hz (metal), 40-15,000 Hz (CrO<sub>2</sub>/Hi-Bias), 40-14,000 Hz (normal). **Wow and Flutter:** 0.06% WRMS. **S/N:** 70 dB Dolby C; 62 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.5% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 4 3/8 x 16 15/16 x 8 3/8".

## "Soft-Touch" Cassette Deck With Dolby B-C



**279<sup>95</sup>**

ESP Available

**Realistic SCT-43.** All controls work with a light touch of your finger. Automatic Search Music System helps you find selections fast. Dolby B-C noise reduction cuts tape hiss and extends dynamic range. Separate record level controls, 2-color 5-LED peak level meters. Full auto-stop. Metal/CrO<sub>2</sub>/normal tape bias selector. 3-digit tape counter. Power-on LED. 1/4" mike and headphone jacks. AC operation. 14-629 ..... **279.95**

**Response** ± 3 dB: 40-14,000 Hz (metal), 40-13,000 Hz (CrO<sub>2</sub>/Hi-Bias), 40-12,000 Hz (normal). **Wow and Flutter:** 0.17% WRMS. **S/N:** 67 dB Dolby C; 61 dB Dolby B (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.5% 3rd HD. **Record/Play Head:** Permalloy. **Erase Head:** Ferrite. **Size:** 11.6 x 39.1 x 23.5cm

## Our Lowest Priced Cassette With Dolby B



**199<sup>95</sup>**

ESP Available

**Realistic SCT-35.** All the most-wanted recording features. Dolby noise reduction to cut tape hiss and extend dynamic range, separate record level controls, 2-color 5-LED peak recording level meters, pause and auto-stop. Soft-eject cassette door, metal/CrO<sub>2</sub>/normal tape bias selector, 3-digit tape counter. Power-on LED. 1/4" mike and headphone jacks. AC operation. 14-636 ..... **199.95**

**Response** ± 3 dB: 40-14,000 Hz (metal), 40-13,000 Hz (CrO<sub>2</sub>/Hi-Bias), 40-12,000 Hz (normal). **Wow and Flutter:** 0.09% WRMS. **S/N:** 64 dB (ref. 3.0% distortion, "A" weighted, metal tape). **Distortion:** 1.3% 3rd HD. **Record/Play Head:** Hard Permalloy. **Erase Head:** Ferrite. **Size:** 11.7 x 39.1 x 21.9cm

## Cassette Play Deck With Auto-Reverse



**199<sup>95</sup>**

ESP Available

- Fits On Any Shelf or Cabinet

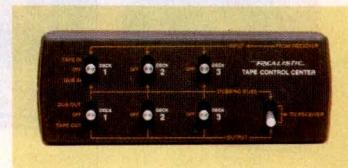
**Realistic SCP-25.** Plays both sides of tape automatically. Dolby B NR cuts hiss, extends range. Cue/review, metal/CrO<sub>2</sub>/normal selector. Tape direction and Dolby LEDs. Simulated walnut. 10.8 x 24 x 14cm. AC operation. 14-635 ..... **199.95**

## Compact Cassette Deck **139<sup>95</sup>**



**Realistic SCT-34.** Our smallest, most affordable record/play deck. Auto-level for perfect-volume recordings, Metal/CrO<sub>2</sub>/normal switch, pause control, auto-stop, 3-digit tape counter and record LED. 1/8" mike jacks. Simulated walnut. 12 x 20.5 x 13.3cm. 14-633 ..... **139.95**

## Tape Control Centre **39<sup>95</sup>**



Monitor, record and dub with up to three tape decks at once. Connects to tape monitor jacks. Moulded case. 5.7 x 15.9 x 12cm. 42-2105 ..... **39.95**



# AM/FM STEREO DUAL CASSETTE PORTABLES

## AM/FM Stereo High-Speed Dubbing Cassette With Built-In Equalizer



Available Nov. 30, 1986

ESP Available

NEW  
FOR 87

**369<sup>95</sup>**

- Dolby B NR Cuts Tape Hiss, Extends Dynamic Range
- Speaker Systems Have 114mm Woofers, Piezo Tweeters
- Sequential-Playback Mode
- Built-In Condenser Mikes

**Realistic Modulaire-850.** Records Dolbyized\* tapes from radio, mikes or line-level sources. Five-band equalizer lets you fine-tune the response for excellent stereo, anywhere. Playback-only deck-1 and record/play deck-2 both have pause controls for easy editing. Also has auto-level recording, tape counter on deck-2 to help you find selections, power/battery and FM stereo LEDs. Jacks for headphone, line in, speakers and mikes. 21.8 x 61 x 15cm. AC (or 6 "C" cells or DC adapter, extra). 14-770 ..... **369.95**

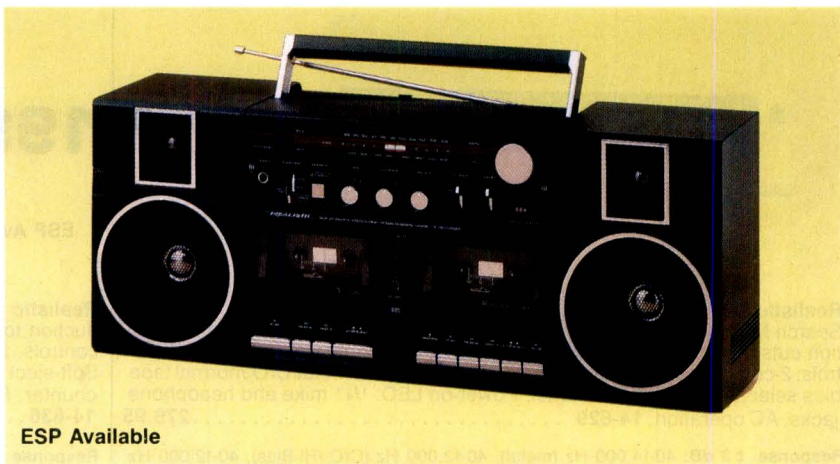
## Dual Cassette Decks for Making High-Speed Copies of Personal Tapes

- Continuous-Playback Feature Lets You Listen To Two Tapes In Sequence, Automatically
- Speakers Have 127mm Woofers And Piezo Tweeters
- Auto-Level ■ Auto-Stop

NEW  
FOR 87

**329<sup>95</sup>**

**Realistic® SCR-27.** A top value! Playback-only deck-1 is designed for superior frequency response and record/play deck-2 is packed with features for quality recording. You can copy your personal tapes, record directly from the AM/FM stereo radio, or make "live" stereo tapes with the sensitive built-in electret microphones. Pause on deck-2 for easy editing while you record. Also has 3-digit tape counter, LED level and mode indicators. Jacks for adding headphone, external speakers and mikes. 21.4 x 54.5 x 14cm. AC (or 6 "D" cells or DC adapter, extra). 14-793 ..... **329.95**



ESP Available

## AM/FM Stereo With 2-Way Speakers and Dual Cassettes for Dubbing



ESP Available

NEW  
FOR 87

**279<sup>95</sup>**

- Speakers Have 102mm Woofers And Piezo Tweeters
- Continuous-Playback Lets You Listen to Two Tapes in Sequence, Automatically

**Realistic Modulette®-602.** Make quality copies of your personal tapes, record directly from the AM/FM stereo radio, or make "live" stereo tapes with the built-in mikes. Playback-only deck-1 and record/play deck-2 both have pause controls for easy editing. Also features auto-level recording, tape counter, end-of-tape auto-stop in record and play modes, LED indicators for record and FM stereo. Headphone and external mikes jacks. 19.7 x 59 x 12.4cm. AC (or 6 "D" cells or DC adapter, extra). 14-797 ..... **279.95**



# MORE AM/FM STEREO CASSETTE PORTABLES

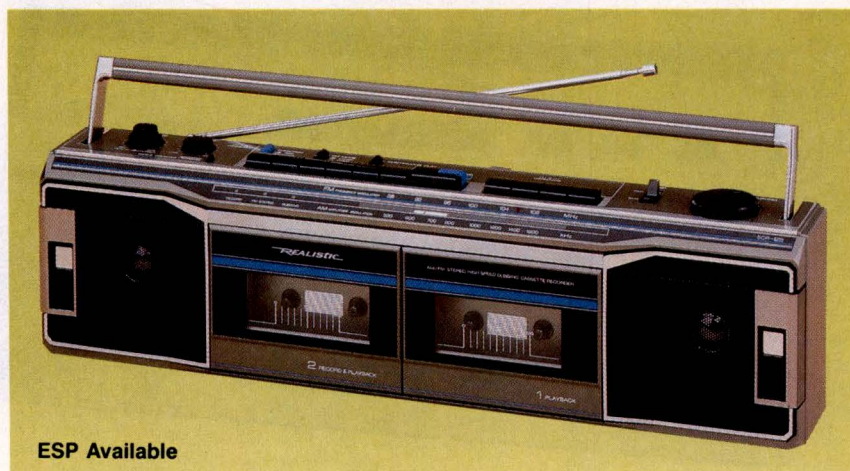
## Slim-Line Design With Dual Cassette Decks for Dubbing

- Super Sound and Features in An Easy-to-Carry Size
- Continuous Playback System
- 2-Way Speaker Systems With 102mm Woofers, Piezo Tweeters
- 3-Digit Tape Counter

NEW FOR 87

**229<sup>95</sup>**

**Realistic SCR-29.** Streamline portable goes anywhere. Make high-speed copies of your personal tapes, record directly off-the-air as you listen, or record "live" stereo with the built-in condenser mikes. Playback-only deck-1 and record/play deck-2 both have soft-eject doors. Built-in loudness circuit for better bass at low volume levels, auto-stop, auto-level recording. FM stereo, record and dubbing LED indicators. Jacks for headphone and external mikes. 12.5 x 47 x 11.4cm. AC (or 6 "C" cells or DC adapter, extra). **14-798** ..... **229.95**



ESP Available

## Six-Speaker Portable With Switchable Stereo-Wide™ 4

- 4-Woofers/2-Tweeter Design Projects Exciting Stereo Sound Throughout the Room
- Auto-Level ■ Tone Control
- Built-In Microphones

NEW LOW PRICE!

**199<sup>95</sup>**

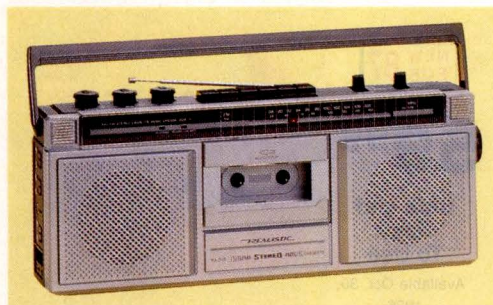
Was \$219.95 in 1986 Catalogue

**Realistic SCR-19.** Unique 6-speaker design brings a spectacular new dimension to portable stereo! For even more enhancement, switch on our exclusive "Stereo-Wide 4" and feel the music come to life. You won't believe the difference! Also has auto-stop in play and record modes, tape counter, record/battery and FM stereo LED indicators. Jacks for headphone and external mikes. 12.1 x 45.1 x 12.1cm. AC (or 6 "C" cells or DC adapter, extra). **14-789** ..... **199.95**



ESP Available

## Deluxe AM/FM Stereo Cassette



**159<sup>95</sup>**

ESP Available

Aux Input Lets You Add External Audio Source

**Realistic SCR-14.** Record-AM, FM stereo or "live" with built-in mikes. Pause control and auto-stop. Balance and tone controls. LED FM stereo/record indicators. Two 89mm speakers. Jacks for adding external mikes, speaker, 1/4" headphone. 17.1 x 40 x 8.6cm. AC (or 6 "D" batteries or DC adapter, extra). **14-784** ..... **159.95**

## AM/FM Cassette With Stereo-Wide



NEW FOR 87

**179<sup>95</sup>**

ESP Available

Stereo-Wide Adds Depth To Sound

**Realistic SCR-25.** Enjoy AM, FM stereo or cassettes, record with built-in mikes. Has auto-stop, auto-level, two 102mm speakers, FM stereo/record LEDs. Has 1/4" jacks for headphone, external mikes. 21 x 40 x 11.4cm. AC (or 6 "D" batteries or DC adapter, extra). **14-792** ..... **179.95**



# CASSETTE PORTABLES FOR MUSIC ON THE GO



**Our Lowest Priced  
AM/FM Stereo Cassette**

**119<sup>95</sup>**

**NEW  
FOR 87**

ESP Available

- Auto-Stop Helps Prevent Tape Damage
- Built-In Electret Stereo Mikes
- Telescoping/Swivel Antenna

**Realistic SCR-28.** Listen to AM, FM stereo or cassettes anywhere. Record from radio as you listen. Rotary volume, balance and tone controls. Tape, radio and AM/FM slide-action selector switches. Two 76mm speakers. LED FM stereo indicator. Has 1/8" jacks for headphone, external mikes. 14.6 x 42.2 x 9.2cm. AC (or 6 "C" batteries or DC adapter, extra). 14-796 ..... 119.95

## AM/FM Cassette With Cue/Review



**NEW  
FOR 87**

**119<sup>95</sup>**

**Cue/Review  
Helps Find Tape  
Passages Fast**

**Realistic Minisette®-16.** Listen to radio or cassettes, or record with the built-in mike. Pause control, tape counter and auto-stop. Slide-action tone and volume controls. Jacks for adding external mike, earphone. LED record/battery indicator, telescoping/swivel antenna. 13.3 x 25.4 x 5.7cm. Requires 6 "AA" batteries or DC adapter. 14-1075 ..... 119.95

## Value-Priced AM/FM Cassette



**NEW  
FOR 87**

**79<sup>95</sup>**

**Record Off Radio  
Or "Live" with  
Built-in Mike**

Available Oct. 30, 1986

**Realistic CTR-78.** Three-way power for listening or recording anywhere, anytime. Rotary controls for volume and tuning. End-of-tape auto-stop in both record and play modes, plus pause control for editing-as-you-record. Telescoping antenna. 19.4 x 29.8 x 7.9cm. AC (or 4 "C" batteries or DC adapter, extra). 14-1038 ..... 79.95

## On-the-Go Cassette Entertainment is Fun for the Kids

### Sing-a-Long Tape Player



**NEW  
FOR 87**

**39<sup>95</sup>**

**Introduce  
Kids to  
Music**

**Realistic CTP-69.** Kids can sing along with their favorite tapes with the detachable mike! Has easy-to-use thumbwheel controls for little fingers, and auto-stop. 14.6 x 17.8 x 6.7cm. Requires 4 "C" batteries or AC or DC adapter. 14-847 ..... 39.95

### Rugged Recorder



**49<sup>95</sup>**

**Built  
Tough  
For Kids**

**Realistic CTR-63.** Designed especially for children. Has built-in mike plus auto-stop. Push-button tape controls and easy-carry handle. 20.6 x 17.5 x 7cm. Requires 4 "C" batteries or DC adapter. 14-846 ..... 49.95

### Radio/Tape Kiddie Combo



**NEW  
FOR 87**

**59<sup>95</sup>**

**Safe and  
Easy  
To Use**

Available Oct. 30,  
1986

**Realistic CTR-79.** Plays AM radio or kids' favorite cassettes! Features built-in mike, auto-stop to protect tapes, 76mm speaker. 20.2 x 23 x 5.9cm. Requires 4 "C" batteries or DC adapter. 14-1046 ..... 59.95



# STEREO-MATE® PERSONAL CASSETTES

## AM/FM Stereo Tape Player

(1) **Realistic SCP-24.** Separate rotary controls for adjusting left and right volume. Player has auto-stop. FM stereo/battery LED. Detachable belt clip. 14.4 x 9.4 x 4cm. Requires 3 "AA" batteries or DC adapter. 14-1039 .....89.95

NEW FOR 87

89<sup>95</sup>

## AM/FM Stereo & Dolby\* B NR

(2) **Realistic SCP-5.** Dolby NR for superior tape playback. Auto-reverse, metal-CrO<sub>2</sub>/normal switch and LED tape direction indicators. FM stereo and low-battery LEDs. Belt clip. 14.6 x 8.9 x 3.5cm. Requires 2 "AA" batteries or AC or DC adapter. 14-1013 .149.95

149<sup>95</sup>

\*TM Dolby Laboratories Licensing Corp.

## Amplified Speakers



119<sup>95</sup> With Case

Turn your Stereo-Mate into a complete 3-piece portable system for exciting stereo enjoyment. See page 21 for details. 40-1259



(1)

(2)



(3)

(4)

(5)

## Personal Stereo Cassette Players

119<sup>95</sup>

With Dolby B NR

NEW LOW PRICE!

69<sup>95</sup>

Was \$79.95 in 1986 Catalogue  
With Built-In Equalizer

NEW FOR 87

49<sup>95</sup>

Budget-Priced

- (3) **Realistic SCP-19.** Dolby system reduces hiss and extends dynamic range. Auto-reverse. Metal-CrO<sub>2</sub>/normal switch. LED indicators for tape direction, battery condition. Belt clip. 12.1 x 8.9 x 3.5cm. Requires 2 "AA" batteries or AC or DC adapter. 14-1033 .....119.95
- (4) **Realistic SCP-20.** Boosts or cuts response in bands centered at 100, 1000 and 10,000 Hz. Auto-stop. LED low-battery indicator. Detachable belt clip. 11.4 x 8.3 x 3.3cm. Requires 2 "AA" batteries or AC or DC adapter. 14-1034 .....69.95
- (5) **Realistic SCP-22.** This very affordable player gives you great stereo sound. Right/left volume controls. Auto-stop at end of tape. LED battery indicator. Detachable belt clip. 11.8 x 8.9 x 3.5cm. Requires 2 "AA" batteries or DC adapter. 14-1035 .....49.95

All STEREO-MATE Portables on This Page Require Lightweight Stereo Headphones With 1/8" Plug

## Stereo Recorder With Built-in Speaker

149<sup>95</sup>

Listen in Stereo  
With Headphones  
Or in Mono With  
Built-In Speaker



**Realistic SCP-17.** Dual electret mikes let you record "live" in stereo anywhere! Use pause control for easy editing while you record. End-of-Tape auto-stop. Hi/low tone switch. Provision for use with charger and rechargeable batteries. Jacks for external mikes. 12.7 x 8.6 x 3.3cm. Requires 2 "AA" batteries or AC or DC adapter. 14-1037 . . . 149.95

## Stereo Phones

8<sup>95</sup>

**Nova-34.** Great sound in an economy package! Foam earpads and adjustable headband for comfort. Weighs only 56 gram. 1.2-metre cord, 1/8" plug. 33-1000 .....8.95





# MORE GREAT VALUES IN PORTABLES

## Cassette Recorder With Amazing, Time-Saving Variable Speed Control

- "Speed-Listening" Plays Any Tape Up to Twice Normal Speed And You Still Understand Every Word
- Also Operates At Normal Speed

**149<sup>95</sup>**

**Realistic VSC-2000.** Remarkable Variable Speech Control feature gives you faster, yet normal-sounding speech playback with any standard cassette tape. Helps you utilize your time more efficiently by letting you listen to recorded material in up to half the normal time. Normal/VSC switch does not affect VSC settings. Also features slide-action playback speed and pitch controls, pause control, cue/review, tape counter, auto-stop, automatic recording level and built-in microphone. Has jacks for earphone (included) and optional remote-control mike. 5.7 x 25.1 x 17.1cm. AC (or 5 "C" batteries or DC adapter, extra). **14-1060** . . . . . **149.95**

†TM of Variable Speech Control Co.

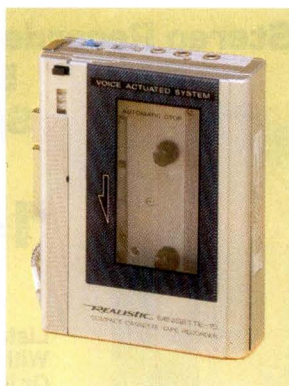


## Voice-Actuated Compact Cassette

**NEW FOR 87**

- Micro-Thin Portability
- Saves Tape, Saves Time

**99<sup>95</sup>**



**Minisetette-15.** Automatic hands-free recording. Pushbutton controls, built-in mike, tape counter, hi/lo mike switch, battery/record LED, jacks for earphone, remote mike, external DC power. With earphone, strap. 11.1 x 8.6 x 3.2cm. Requires 2 "AA" batteries or AC or DC adapter. **14-1027** . . . . . **99.95**

## Voice-Actuated Cassette Recorder



**99<sup>95</sup>**

**Prevents Long Silent Gaps**

**Realistic CTR-75.** It just couldn't be easier to use! Auto-level recording and cue/review finds selections fast. Includes jacks for earphone and remote mike. 3.5 x 11.7 x 18.1cm. Requires 4 "AA" batteries or AC or DC adapter. **14-800** . . . . . **99.95**

## Voice-Actuated Pocket Recorder



**NEW FOR 87**

**89<sup>95</sup>**

**Voice-Actuation for Hands-Free Recording**

**Realistic CTR-85.** Prevents silent gaps during playback. Auto-level. 4.1 x 17.5 x 9.5cm. Requires 4 "AA" batteries or DC adapter. **14-1056** . . . . . **89.95**

## Our Best Electronic "Note-Taker"

**89<sup>95</sup>**



**Realistic CTR-70.** Features a tone control, auto-level, auto-stop, audible cue/review, tape counter and LED record/battery indicator. Built-in mike. 4.7 x 14 x 26.7cm. AC operation (or 4 "C" batteries or DC adapter, extra). **14-1050** . . . **89.95**

## Slim-Style AC/DC

**69<sup>95</sup>**

- Built-In Condenser Microphone
- Ideal for Students

**Realistic CTR-72.** Perfect for recording lectures, or taking verbal notes. Convenient controls for ease of operation. 4.9 x 14.6 x 24.4cm. AC operation or uses 4 "C" batteries or DC adapter (batteries, DC adapter, extra). **14-1052** . . . **69.95**



## Desktop or Portable

**54<sup>95</sup>**

**Perfect For Dictation or Notes**

**Realistic CTR-71.** Works equally well in the office or on the move. Features built-in mike, earphone, auto-stop, jacks for earphone, external mike. 4.9 x 14.6 x 24.4cm. Requires 4 "C" batteries or AC or DC adapter. **14-1051** . . . . . **54.95**





# COMPACT BUSINESS AND STUDENT TAPE RECORDERS

## Handy "One-Touch" Personal Recorder



NEW FOR 87

**59<sup>95</sup>**

- One-Touch Record and Cue/Review
- Built-In Microphone

**Minisette®-18.** One-touch design lets you edit your dictation easily—begins recording while in play mode, without stopping. Set your mike sensitivity with the built-in control. Has earphone/erase plug, LEDs for record/battery check and jacks for headphones and external mike. 15.2 x 10.2 x 3.8cm. Requires 4 "AA" batteries or AC or DC adapter.

14-1036 ..... 59.95

## Book-Size Recorder with Cue/Review



**99<sup>95</sup>**

**Cue/Review Scans Tape in Forward or Reverse to Locate Desired Passages Easily**

**Realistic Minisette-9** Features auto-level for steady-volume recordings everytime and pause control to edit while recording. Built-in mike, tape counter, tone control. Jacks for remote mike, earphone. 3.3 x 18.2 x 11.6cm. Requires 4 "AA" cells or AC or DC adapter. 14-812 ..... 99.95

## Electronic Notetakers Two-Speed Microcassette Tape Recorders



### ALL THREE FEATURE:

- Two Speeds for Up to Three Hours of Recording Time on One MC-90 Microcassette Tape
- Built-In Condenser Microphone for Quick and Easy Recording—Ideal for Students and Professionals
- Auto-Level for Perfect-Volume Recordings

**Realistic® Micro-25.** Our best! Fits in the palm of your hand, yet offers big features and excellent sound quality. Switchable sensitivity voice-actuation starts and stops recording with the sound of your voice—no buttons to push! Fast-play mode increases playback speed while keeping voices understandable—great for high-speed transcription. Has, cue/review, auto-stop, LED record/battery indicator. Only 12.7 x 6.4 x 2.2cm. With case, earphone. Requires 2 "AA" batteries or DC adapter.

14-1040 ..... 169.95

**Realistic Micro-18.** Features voice-actuated recording with hi/lo mike sensitivity and standard recording with auto-level. Cue/review and 3-digit tape counter help you find desired material quickly. End-of-tape auto-stop in play and record modes protects tapes from damage. Precise capstan drive. 1.2cm/sec or 2.4cm/sec speeds. With earphone and wrist strap. Jacks for external mike and earphone. 12.4 x 6.4 x 2.7cm. Requires 2 "AA" batteries or DC adapter. 14-1042 ..... 99.95

**Realistic Micro-12.** Same features as Micro-18, without voice actuation. 14-1041 ..... 79.95

**169<sup>95</sup>**

NEW FOR 87

**99<sup>95</sup>**

NEW FOR 87

**79<sup>95</sup>**

NEW FOR 87

Available Nov. 15, 1986

Available Nov. 15, 1986

## AC and DC Adapters

These adapters will operate your portable tape recorder from 240V AC house current or 12V DC mobile power.

Recorder Cat.No.	Uses AC Adapter	Price	Uses DC Adapter	Price	Recorder Cat.No.	Uses AC Adapter	Price	Uses DC Adapter	Price
14-770	•		270-1562	24.95	14-1035	273-9663	19.95	270-1560	16.95
14-784	•		14-844	9.95	14-1036	273-1454	9.95	14-844	9.95
14-789	•		270-1562	24.95	14-1037	273-9663	19.95	270-1560	16.95
14-792	•		270-1562	24.95	14-1038	*		14-844	9.95
14-793	•		270-1562	24.95	14-1039	273-9663	19.95	270-1560	16.95
14-796	•		270-1562	24.95	14-1040	273-9663	19.95	270-1560	16.95
14-797	•		270-1562	24.95	14-1041	273-9663	19.95	270-1560	16.95
14-798	•		270-1562	24.95	14-1042	273-9663	19.95	270-1560	16.95
14-800	273-1454	9.95	14-844	9.95	14-1046	273-1454	9.95	14-844	9.95
14-846	273-1454	9.95	14-844	9.95	14-1050	*		14-844	9.95
14-847	273-1454	9.95	14-844	9.95	14-1051	273-1454	9.95	14-844	9.95
14-1013	273-9663	19.95	270-1560	16.95	14-1052	*		14-844	9.95
14-1027	273-9663	19.95	270-1560	16.95	14-1056	273-1454	9.95	14-844	9.95
14-1033	273-9663	19.95	270-1560	16.95	14-1060	*		270-1562	24.95
14-1034	273-9663	19.95	270-1560	16.95	14-1075	273-1454	9.95	14-844	9.95

\*Not required. AC power supply built-in. See page 40 for description of adapters.

## Mini-Cassette Tape Recorder



**69<sup>95</sup>**

- Cue Feature Helps Find Passages
- Built-In Electret Mike
- Auto-Level Recording

**Realistic Minisette®.** Slide-action controls permit easy one-hand operation. Cue button advances the tape rapidly in the play mode to help you find desired sections. Built-in speakers. LED record/battery condition indicator. With wrist strap, earphone. 14.6 x 6.3 x 2.5cm. Compatible with all mini-cassette equipment and tapes. Requires 2 "AA" batteries.

14-1015 ..... 69.95

See Page 36 for Micro and Mini Cassette Recording Tapes to Suit Above Recorders



# REALISTIC® CASSETTES — GREAT SOUND & VALUE



## [1] Our Best! High-Tech Metal Tape

Low As **11<sup>99</sup>** C-60 Coated With Fine-Grain Metal Particles For Increased High-Frequency Headroom

Enjoy reproduction that is virtually indistinguishable from open-reel. Remarkably low noise level, extremely wide dynamic range. For recording on metal-capable equipment only. Plays on all cassette equipment. Precision 5-screw housing. Hinged storage box.

Type	Total Recording Time	Cat. No.	Each			
			1-11	12-23	24-47	48-Up
C-60	60 Minutes	44-960	11.99	10.75	9.65	8.75
C-90	90 Minutes	44-961	15.99	14.35	12.95	11.65

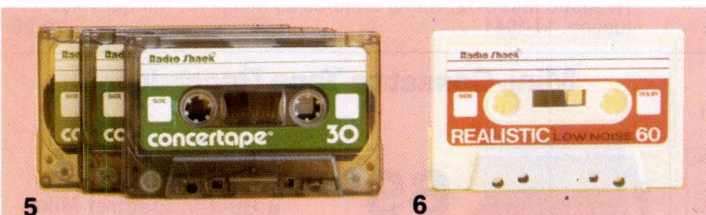
## [3] Premium Ferric Oxide Formulation

Low As **3<sup>99</sup>** C-45 Delivers Optimum Performance at Normal Bias for Greater Musical "Detail"

Quality recording tape at a low Tandy price! Precision housing cuts wow and flutter. For record and playback on all cassette equipment. Non-abrasive head-cleaning leader. Hinged storage box.

Type	Total Recording Time	Cat. No.	Each			
			1-11	12-23	24-47	48-Up
C-45	45 Minutes	44-920	3.99	3.59	3.29	2.99
C-60	60 Minutes	44-921	4.49	4.09	3.69	3.29
C-90	90 Minutes	44-922	5.69	5.19	4.69	4.19
C-120	120 Minutes	44-923	6.49	5.89	5.29	4.79

## Concertape® — Quality Sound at Low Cost



Use shorter tapes for "voice letters", longer tapes for note taking, recording music. Polyester base resists humidity, aging and stretching.

(5) 3-Packs C-30 Low As **4<sup>99</sup>**

Type	Recording Time	Cat. No.	3-Pack	
			1-11	12-Up
C-30	30 Min.	44-606	4.99	4.29
C-60	60 Min.	44-607	6.69	5.69
C-90	90 Min.	44-613	8.49	7.29
C-120	120 Min.	44-614	9.99	8.49

(6) Singles C-60 Low As **1<sup>99</sup>**

Type	Record Time	Cat. No.	Each
C-60	60 Min.	44-605	1.99
C-90	90 Min.	44-620	3.49

## [2] Supertape Chrome for Improved Dynamic Range

Low As **6<sup>99</sup>** C-60 Captures the Loudest and Softest Passages While Reducing Noise

For recording on equipment with CrO<sub>2</sub>/hi-bias switch. Plays on all cassette equipment. Has head-cleaning leader. Hinged storage box. It's a really great value, so stock up.

Type	Total Recording Time	Cat. No.	Each			
			1-11	12-23	24-47	48-Up
C-60	60 Minutes	44-930	6.99	6.25	5.65	5.05
C-90	90 Minutes	44-931	8.99	8.05	7.25	6.55

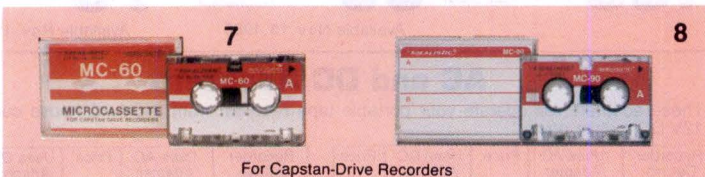
## [4] Low-Noise High-Output Ferric Tape

Low As **2<sup>49</sup>** C-30 High Output and Wide Frequency Response, Low Noise and Distortion

Standard tape with above-standard sound! Special High-Flux Density oxide formula. Precision housing reduces wow and flutter. With hinged storage box. Quality and value from Tandy.

Type	Total Recording Time	Cat. No.	Each			
			1-11	12-23	24-47	48-Up
C-30	30 Minutes	44-601	2.49	2.29	1.99	1.79
C-60	60 Minutes	44-602	2.99	2.69	2.39	2.19
C-90	90 Minutes	44-603	3.99	3.59	3.19	2.89
C-120	120 Minutes	44-604	4.49	3.99	3.69	3.29

## Values in Microcassette Tape



For Capstan-Drive Recorders

(7) Micro-60 Low As **6<sup>99</sup>** (8) Micro-90 Low As **12<sup>99</sup>**

Up to 60 min. at 2.4cm/sec., 120 min. at 1.2cm/sec. 44-640. 1-9 Each 6.99  
10-Up..... Each 5.99

Up to 90 min. at 2.4cm/sec., 180 min. at 1.2cm/sec. 44-644. 1-9 Each 12.99  
10-Up..... Each 10.49



## Mini Cassettes

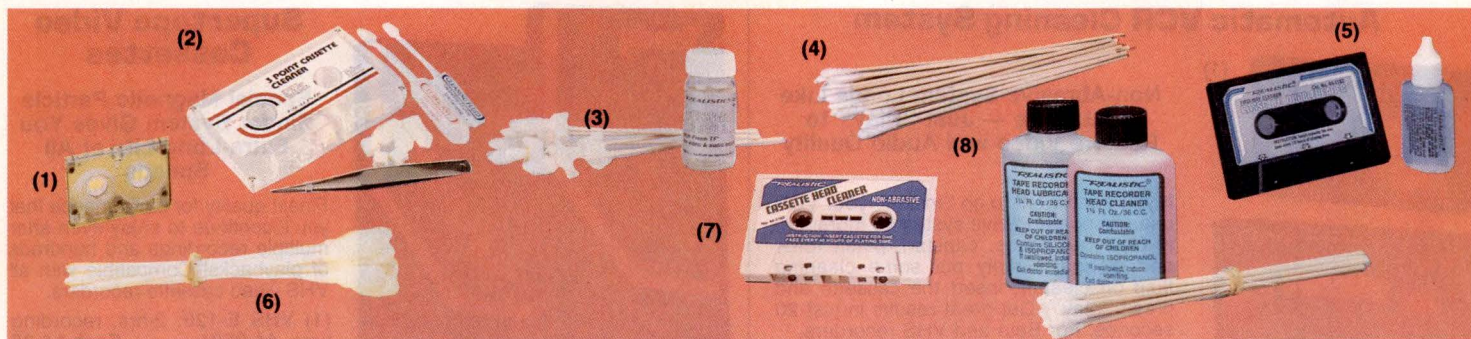
Low As **5<sup>99</sup>** 15 Min. Per Side

Mini-30. For rim-drive recorders like our Realistic Minisette and others.

Recording Time	Cat. No.	Each	
		1-9	10-Up
30 Min.	44-633	5.99	4.99



# YOUR TAPE CARE AND CLEANING HEADQUARTERS



## Head Cleaning Products for All Types of Audio and Video Recorders

- (1) **Microcassette Head Cleaner.** Non-abrasive tape cleans tape path and restores clarity to recording and playback. **44-1166 . . . . . 5.99**
- (2) **Non-abrasive pads** gently clean the heads, capstan and pinch roller. Includes tweezers, extra pads, lubricant and cleaning fluid. Convenient pouch set. Not for use with auto reverse players. **44-9500 . . . . . 14.95**
- (3) **Professional Head Cleaning Kit.** For audio and video, it includes a 6-dram bottle of Freon TF™ solvent and six foam swabs. **44-1170 . . . . . 5.99**
- (4) **Head Cleaning Sticks.** Cotton-tipped 15cm wood sticks for cleaning hard-to-reach places. **44-1093 . . . . . Pkg. of 100/3.29**

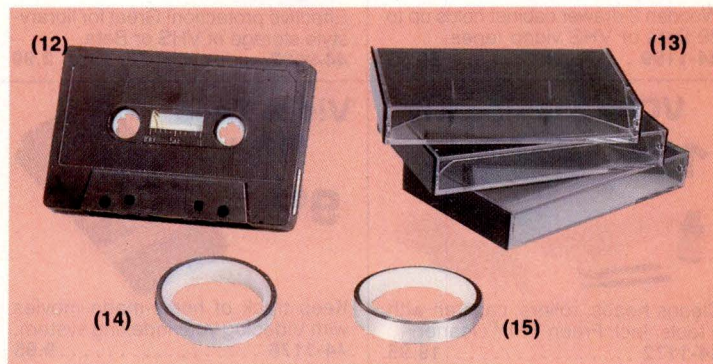
- (5) **Cassette Cleaning Kit.** Restores fidelity during recording and playback and extends tape life by removing oxide deposits from heads and capstan. Includes cleaning fluid. **44-1162 . . . . . 4.99**
- (6) **Foam Cleaning Swabs.** Clean delicate audio and video recording and playback equipment like the pros. Lintless and reusable. **44-1094 . . . . . Pkg. of 10/4.99**
- (7) **Cassette Head Cleaner.** For all cassette decks. Non-abrasive cleaning tape restores clarity during recording and playback, helps prevent dirt build-up and extends tape life. **44-1160 . . . . . 2.99**
- (8) **Recorder Cleaner Kit.** With 1 1/4-oz. bottles of cleaner and lubricant plus 10 long-reach swabs. **44-217 . . . . . 5.99**

TM Trademark E.I. du Pont de Nemours & Co., Inc.



## Cassette Tape Protectors and Organizers

- (9) **Plastic Cassette Mailers.** Meet First Class U.S. Postal Regulation PSM 352.2. With labels. **44-608 . . . . . Pkg. of 3/2.49**
- (10) **Cassette Index Cards.** Replace original index cards. Plenty of room to list newly recorded selections. Fit all standard cassette boxes. **44-623 . . . . . Pkg. of 20/2.49**
- (11) **Cassette Index Labels.** Self-adhesive. Cover original labels. Six each of red, blue, yellow and green. **44-621 . . . . . 2.49**



## Aids for Storing and Restoring Tapes

- (12) **Cassette Housing.** Easy to load. Replace your damaged or worn out housing. 67cm leader tape, instructions. **44-626 . . . . . 2.69**
- (13) **Cassette Boxes.** Protect your tapes. Hinged see-through type for easy identification. **44-611 . . . . . Pkg. of 3/2.99**
- (14) **Sensing.** For recorders with contact, photo sensing systems. 5.5mm x 2.54m roll. **44-1155 . . . . . 2.49**
- (15) **Splicing.** Resists age, heat, humidity. 5.5mm x 2.54m roll. **44-1125 9.5mm 44-1126 3.1mm 44-1128 . . . . . 1.99 Each**



**On/Off  
Foot  
Switch**

**4.99**

Remote control switch for hands-free on/off capability. Ideal for typing from dictation. Sub-mini plug fits remote control jack of most recorders. **44-610 . . . . . 4.99**



**Phone  
Pickup  
Coil**

**Simple  
to Use**

For high-quality recordings of personal phone calls. Suction cup fastens on phone receiver. With cord, 1/8" mini-plug. **44-533 . . . . . 3.49**  
May be incompatible with electronic phones.

## Head Cleaning Sprays and Solvents



- (16) **Head Cleaner Solution.** For metal parts. 59ml. **44-1010 . . . . . 2.99**
- (17) **"Pro" Solvent.** Freon TF™ dissolves dirt and oxide. 59ml. **44-1171 . . . . . 4.99**
- (18) **Zero Residue Cleaner Spray.** Cleans heads. 88ml. **44-1014 . . . . . 4.99**

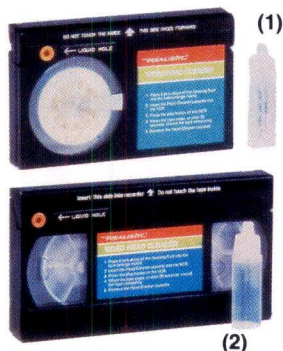
TM E.I. du Pont de Nemours & Co., Inc.

See Our Complete Line of Video Tape Accessories on Page 38



# VIDEO ACCESSORIES FOR RECORDING & ORGANISING

## Automatic VCR Cleaning System



**Non-Abrasive System Loads Like a Cassette — Just "Play" to Restore Video and Audio Quality**

If you don't want to go "inside" your VCR use this non-abrasive system to thoroughly clean all heads, capstan, pinch roller and guides. Simply put some cleaning fluid on cleaner, insert the cassette and press "play". Get great results in just 20 seconds. For Beta and VHS recorders.

(1) Beta Recorders. 44-1186 . . . . . 21.95  
(2) VHS Recorders. 44-1185 . . . . . 21.95



## Supertape Video Cassettes

**Special Magnetic Particle Binder System Gives You Extra-Long Life at All Speeds**

Finest quality for performance that you'll continue to enjoy even after multiple recordings and hundreds of playbacks! Compatible with all VHS video cassette recorders.

(1) VHS E-120. 2-hrs. recording time. 44-9501 . . . . . Each 14.95  
(2) VHS E-180. 3-hrs. recording time. 44-9502 . . . . . Each 18.95

## Cassette Cabinet

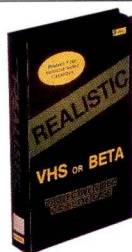
**59<sup>95</sup>**



Wooden 2-drawer cabinet holds up to 20 Beta or VHS video tapes.  
44-1199 . . . . . 59.95

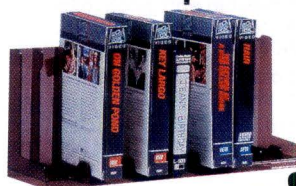
## Video Library Album

**2<sup>99</sup>**



Effective protection! Great for library-style storage of VHS or Beta.  
44-9503 . . . . . 2.99

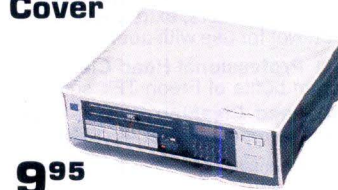
## Video Tape Racks



Set of 2 **8<sup>95</sup>**

Tinted racks each hold 6 VHS or Beta tapes, for a total of 12.  
44-1197 . . . . . 8.95

## Universal VCR Cover



**9<sup>95</sup>**

Static Resistant Vinyl keeps out damaging dust. Transparent front.  
44-1182 . . . . . 9.95

## VCR Cleaning Kit

**19<sup>95</sup>**



Cleans heads, rollers, capstan with 4 tools. Incl. Freon TFM cleaner.  
44-1172 . . . . . 19.95

## Video Tape Index

**9<sup>95</sup>**



Keep track of home-made movies with Videolog your indexing system.  
44-1176 . . . . . 9.95

## Screen Cleaner

**7<sup>95</sup>**

Includes Lint-Free Cloth



Brightens display, repels dust and removes smudges! For glass and plastic. 44-1150 . . . . . 7.95

## Cassette Labels

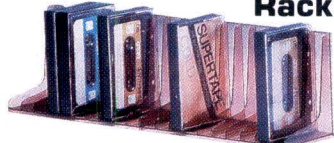
**2<sup>99</sup>**

Pkg. of 10



For easy tape re-labelling.  
For VHS. 44-1177 . . . . . 2.99  
For Beta. 44-1178 . . . . . 2.99

## 4<sup>99</sup> Audio Cassette Racks

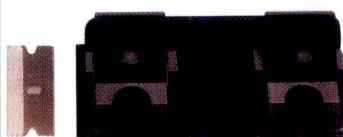


Tinted acrylic racks hold 10 cassettes each for a total of 20.  
44-682 . . . . . 4.99

## Audio and Video Tape Repair Kit

NEW FOR 87

**6<sup>95</sup>**



Includes splicing and leader tape for audio VHS and Beta tapes, safety razor blade, spare cassette hub and splicing machine. 44-9570 . . . . . 6.95

## Microcassette Album

**4<sup>99</sup>**



Holds 6 boxes audio tapes. Vinyl carrier folds to 17.4 x 13 x 1.9cm.  
44-683 . . . . . 4.99

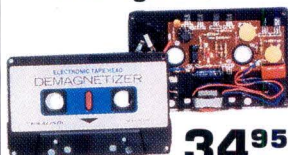
## Remote Pause



**4<sup>99</sup>**

Edit out commercials during recording! For video and audio recorders.  
44-1179 . . . . . 4.99

## Demagnetizer



**34<sup>95</sup>**

It takes one second to preserve clear sound in electronic tapes! With batteries. 44-1165 . . . . . 34.95

## Magnetic Bulk Tape Eraser

**34<sup>95</sup>**



Fast and effective! Erases 8-track/open-reel tapes and computer disks.  
44-9210 . . . . . 34.95

## Demagnetizer

**12<sup>95</sup>**



Demagnetizes cassettes or reel-to-reel heads in seconds! 44-9506 . . . . . 12.95

## Tape Eraser



**11<sup>95</sup>**

Pass cassettes through the eraser twice to wipe both sides and improve tone!  
44-9510 . . . . . 11.95



# REALISTIC® QUALITY OPEN-REEL AND 8-TRACK TAPE



## [1] SUPERTAPE® Premium Open-Reel

Low As **18<sup>95</sup>** 17.7cm Reel Super-Calendered for a Mirror-Like Surface

Get superb sound and wide dynamic range without special bias settings with our finest open-reel recording tape. Superior sensitivity and wide frequency response. High tensile strength for long life. Polyester base resists humidity, aging, breaking and stretching.

Reel Size (cm)	Metres	Mil	Cat. No.	Each	
				1-9	10-499
17.7	548	1.0	44-1877	18.95	17.09
17.7	1097	0.5	44-1880	32.95	29.69

## [2] REALISTIC Low-Cost, Low-Noise Tape

Low As **9<sup>95</sup>** 12.7cm Reel Wide Frequency Response

High-quality open-reel tape with uniform oxide coating for excellent frequency response and signal-to-noise ratio. Polyester base resists temperature and effects of humidity, aging and stretching.

Reel (cm)	Metres	Mil	Cat. No.	Each			
				1-5	6-9	10-49	40-499
12.7	274	1.0	44-753	9.95	8.99	8.09	7.29
17.7	548	1.0	44-754	14.95	13.49	12.19	10.99
17.7	731	0.5	44-758	16.95	15.29	13.79	12.39
17.7	1097	0.5	44-766	24.95	22.49	20.29	18.29

## [3] All-Purpose Budget-Priced Concertape

Only **7<sup>95</sup>** 548 metres on 17.7cm Reel Choice of Thousands for General Purpose, Off-the-Air Recordings!

Enjoy hours and hours of quality recording at remarkably low cost. Heavy-duty, 1-mil Polyester base resists breaking and stretching. Delivers wide frequency response. Up to 96 minutes recording time per side at 3<sup>3</sup>/<sub>4</sub> ips. Includes storage box. Stock up now so you won't ever be caught short. 44-1018 ..... 7.95

## Open-Reel Recorder Accessories

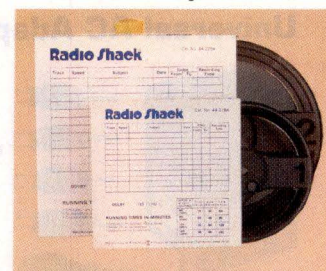
### Metal Reel



**14<sup>95</sup>** Professional Quality!

Improves performance and appearance of open-reel recorders. Won't crack, split, warp. Storage box. 44-280 ..... 14.95

### Plastic Tape Reels



Low As **2<sup>49</sup>** With Index, Timing Chart

Reel (cm)	Cat.No.	Each
12.7	44-278	2.49
17.7	44-279	3.49

## [4] SUPERTAPE® Lab Standard 8-Track Tape

90 Minutes **9<sup>95</sup>**

### Delivers Superior Frequency Response

High-output, low-noise formulation reduces hiss. Back-coated with lubricant to prevent tape jamming for increased tape life. Polyester base resists stretching, breaking. 44-843 ..... 9.95

EACH			
1-11	12-24	25-49	50-Up
9.95	8.99	8.09	7.29

## [5] "Reel to Reel" Cassettes

Audiophile Quality **9<sup>95</sup>**

RTR-90. A performance never before experienced in a 90-minute cassette. Precision engineered aluminium reels smooth out tape wind/re-wind, equalize tension, stabilize travel and cut speed irregularities. 44-9560 ... 9.95

EACH			
1-11	12-24	25-49	50-Up
9.95	8.99	8.09	7.29

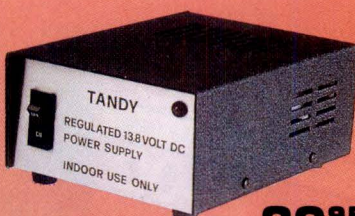


# AC/DC ADAPTERS AND POWER SUPPLIES



- (1) ■ 8 Amp, Ideal for Heavy Current Equipment

**139<sup>95</sup>**



(2)

- 2 Amp Regulated, Perfect for the Home CB Operator

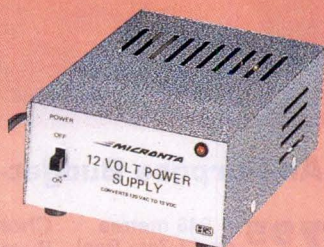
**89<sup>95</sup>**



(5) **NEW FOR 87** **139<sup>95</sup>**

Selectable Independent Or Slave Operation

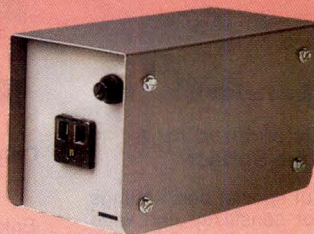
Available Jan. '87



(3)

**69<sup>95</sup>**

- 1.75 Amp, Great for Model Railway or Hobbyist



(4)

**119<sup>95</sup>**

**NEW FOR 87**

- Converts 240VAC to 115 VAC

## Heavy-Duty 8-Amp, 12VDC Power Supply

(1) For high-power car stereos or even complete vehicle component systems with separate tape decks, radios, equalizers, etc. Ideal for powering Ham rigs or most 12VDC items or combination of items drawing up to 8 amps. All-metal cabinet with rubber feet. AC operation. 22-9525 ..... **139.95**

## Regulated CB Power Supply

(2) Ideal for powering Mobile CB's (including SSB). 13.8VDC regulated output at 2.5 amps continuous, 5 amps surge. 22-9500 .... **89.95**

## Low-Cost 12VDC Power Supply

(3) Ideal for powering 12VDC auto-sound equipment. LED "on" indicator. Output of 1.75 amps with a 5-amp surge rating. AC operation. 50 Hz. 22-9527 ..... **69.95**

## 240-115V AC Transformer

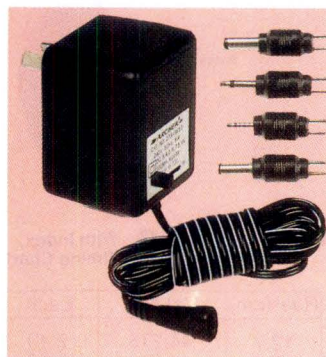
(4) Powers 115V AC equipment up to 125 watts. 3 Pin "American" socket output. 50Hz. 22-9515 ..... **119.95**

## Dual Tracking DC Power Supply

(5) Adjustable from 0-15V DC, 1A max. Switchable volt/amp meter. 4-Position switch lets you monitor the voltage or current of either output. Independent mode lets you adjust voltage separately. 17.1 x 17 x 11.4cm. 22-121 . **139.95**

## AC Adapters for Portable Equipment

### Universal AC Adapters



- 300 mA, 500mA and 1A Adapters Include 4 Inter-changeable Multiplugs

**300 mA Universal AC Adapter.** Input: 240V 50 Hz. Output: 3, 4.5, 6, 7.5, 9, 12VDC selectable. 273-9665 ..... **19.95**

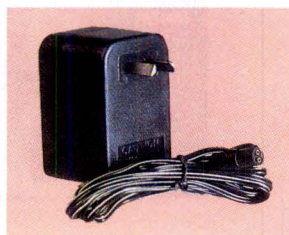
**500 mA Universal AC Adapter.** As above but with 500 mA capacity. 273-9665 ..... **21.95**

**1A Universal AC Adapter.** Input: 240V 50 Hz. Output: 6, 7.5, 9, 12VDC selectable. 273-9651 ..... **34.95**

**Pack of 6 spare plugs.** Suit above adapters. Miniplugs: 2.5, 3.5mm. DC plugs: 1.0mm, 1.35mm, 2.1mm, 2.5mm. 273-9501 ..... **4.99**

**Pack of 6 Replacement plugs** for old style 300mA and 500mA Tandy AC adapters. 273-9500 ..... **4.99**

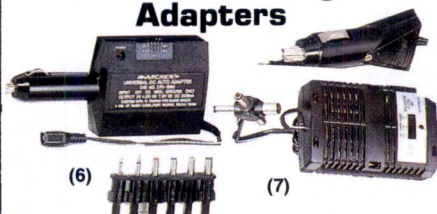
### Regulated AC Adapter



**27<sup>95</sup>**

Hum free circuit design for personal portable stereos, pocket TVs etc. Input: 240 VAC 50 Hz. Output: 3, 4.5, 6VDC. 250mA with 5 coaxial "barrel" type multiplugs for almost any application. 273-9550 ... **27.95**

### Universal Voltage Adapters



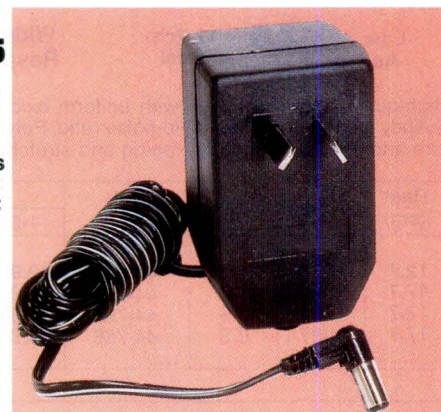
(6) **Universal DC Adapter.** With six Adapta-plugs. Reduces 12V to 3/4.5/6/7.5/9 volts. 270-1560 ..... **16.95**

(7) **Hi-Power 6-9-12V DC Adapter.** Fused with four plug sizes. 270-1562 ..... **24.95**

### AC Power Adapters

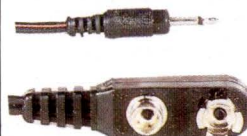
**9<sup>95</sup>**

Converts 240VAC to 6VDC 150mA



Run 6 volt, DC powered devices from any 240VAC outlet! Ideal for many Realistic and foreign products. 1.8m cord features a 90° 5mm O.D. x 2.1mm I.D. coaxial plug. 273-1454 ..... **9.95**

### 9V DC Adapters



**9VDC at 100 Milliamps.** Connector: Submini-type phone plug. 65-731 ..... **9.95**

**9V Battery Eliminator.** Connector: Snap-type as used on 9V rectangular batteries. 270-9152 ..... **12.95**

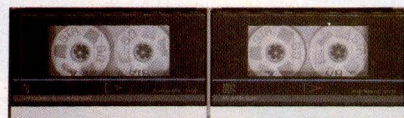


# MUSIC SYSTEMS FOR THE YOUNGSTERS

## AM/FM Stereo Phono With Dual Cassette

NEW  
FOR 87

**349<sup>95</sup>**



Our Lowest Priced System With Dual Decks

- Two-Speed Turntable With Automatic Arm Return and Shut Off
- Dual Decks Let You Copy Cassettes and Play Two Tapes in Sequence
- Includes Matching 43cm High Speakers With Plug-In Connectors

**Clarinette-122.** Our lowest priced all-in-one system with dual cassettes offers versatility, good sound and easy operation at low cost. It's ideal for the music-minded teenager. Automatic record-level setting makes perfect-volume tapes without adjustments. You can record directly from AM/FM stereo radio or the turntable while you listen, and add mikes to capture "live" stereo. Both decks have auto-stop at end of tape to protect cassettes and a pause control for easy editing. Belt-drive turntable plays 33 $\frac{1}{3}$  and 45-RPM speeds. LED indicators for power "on", continuous play, recording and FM stereo modes.  $\frac{1}{4}$ " jack for stereo headphone and  $\frac{1}{8}$ " jacks for optional mikes. 12.8 x 43 x 37.1cm. Matching speakers have 12.7cm full-range drivers. AC operation.

13-1226 ..... 349.95

## Low-Cost AM/FM Stereo Cassette/Phono

**299<sup>95</sup>**

NEW  
FOR 87

- End-of-Tape Auto-Stop in Record/Play Modes Protects Cassettes
- Two-Speed Turntable With Automatic Arm Return and Shut Off
- Includes Matching 43cm High Speakers With Plug-In Connectors

**Clarinette-121.** This easy-to-operate all-in-one system is perfect for young listeners or as a "second" system anywhere in your home. The cassette deck will record directly from the turntable and AM/FM stereo while you listen. Front-panel  $\frac{1}{8}$ " jacks let you add mikes and make "live" stereo tapes. Auto-level system sets the recording volume so you get perfect-volume tapes without adjustments. Pause control makes it easy to edit while you record. The belt-drive turntable plays 33 $\frac{1}{3}$  and 45-RPM records and has a hinged cover. Front panel has LED FM stereo, record-mode and power "on" indicators, lighted dial,  $\frac{1}{4}$ " jack for adding stereo headphones. 12.8 x 43 x 37.1cm. AC operation. 13-1225 .. 299.95

## Child's Phono With Sing-Along Mike

**69<sup>95</sup>**

Plays 33 $\frac{1}{3}$  and  
45-RPM Records

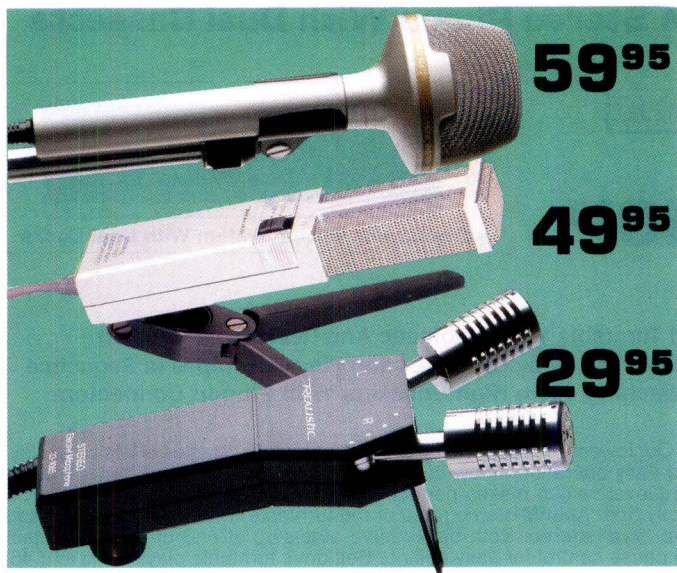


"Strawberry" Mike  
Lets Kids Sing Along

Children will love hearing their own voices along with their favorite records. This safe, easy-to-use monaural phono has built-in speaker, volume control, power switch. Durable case folds for easy storage. AC operation. 13-1123 ..... 69.95



# MICROPHONES FOR STAGE, STUDIO & HOME



## Stereo Mikes—Two Elements in One Housing for Simplified Recording

### Deluxe Dual-Pattern Electret

**Dual Pattern.** Two sensitive electret elements and a special matrix circuit let you select "normal" pattern, or "wide" mode to enhance the stereo image when recording larger groups. 30 to 15,000 Hz response. 600 ohms. Wire mesh screen cuts wind noise. On/off switch. 20cm long. 3m cord with two 1/4" phone plugs. Vinyl carrying case, stand adapter. Requires "AA" cell. **33-919 . . . 59.95**

### Compact Cardioid-Pattern Electret

**Dual Back-electret** elements provide excellent response to transients — the fast-rising peaks that give sound its "live" quality. Ideal for use with portable stereo recorders. 50 to 18,000 Hz. 600 ohms. Adjustable desk stand also has standard 5/8"-27 threads. On/off switch, foam windscreens. 13cm long. 2.4-metre cord, two 1/8" plugs. Requires "AA" battery. **33-1066 . . . 49.95**

### Electret with Adjustable Heads

**Dual Head.** Heads adjust up to 90° for optimum stereo separation — ideal when recording large musical groups or conferences. 50 to 15,000 Hz response. 600 ohms. Built-in stand. 14.2cm long. 2-metre cord, two 1/8" plugs. Two foam windscreens. Requires "AA" cell. **33-1065 . . . 29.95**

## Dynamic Mikes for Recording and PA, All With Wire Mesh Screens to Reduce Wind and Breath Noise



**Realistic® Highball.** Unidirectional. An outstanding microphone for public address systems and hand-held vocal use. 80 to 15,000 Hz response. On/off switch. Selectable high or low impedance—works with all types of equipment. Low-impedance (XLR) capability. 16.5cm long. 4.8-metre cable with 1/4" plug. Includes deluxe case, stand adapter. **33-984 . . . 79.95**

**Super-Omnidirectional.** Flat 40 to 17,000 Hz response. Rugged body with rubber shock ring to reduce vibration noise. Low-impedance (XLR) capability. 17.2cm long. Includes 4.8-metre cable with 1/4" plug, carrying case, stand adapter. **33-1070 . . . 69.95**

**Cardioid Pattern.** Sturdy die-cast body. On/off switch. 50 to 15,000 Hz response. Low-impedance (XLR) capability. 17.8cm long. Includes 3.6-metre cable with 1/4" plug, stand adapter. **33-1071 . . . 49.95**

**Tight-Cardioid Pattern.** Minimizes background noise and feedback. 80 to 12,000 Hz response. 600 ohms. On/off switch. 17.8cm long. Includes 1.8-metre cable with 1/4" plug, stand adapter. **33-992 . . . 39.95**

**Realistic Highball-2.** Omnidirectional. Internal "pop" filter. Chromed body. On/off switch. 50 to 13,000 Hz response. 600 ohms. 21.8cm long. Includes 1.8-metre cable with 1/4" plug, stand adapter. **33-985 . . . 34.95**

**Realistic Highball-7.** Unidirectional. Internal filter reduces feedback. On/off switch. 80 to 15,000 Hz response. 600 ohms. 21.5cm long. Includes 3-metre cable with 1/4" plug, stand adapter. **33-986 . . . 29.95**

### Pattern Choice



**Cardioid**

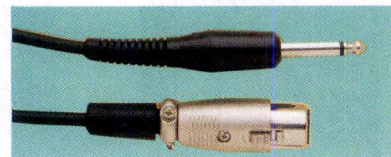


**Omi**

Cardioid or Unidirectional. This pickup pattern helps reduce background noise and feedback.

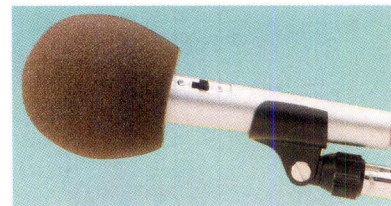
Omnidirectional. Wide pickup pattern, equally sensitive in all directions.

### Two-Way Use!



Mikes 33-984, 33-1070 and 33-1071 are adaptable to professional-type XLR balanced output. See page 101 for XLR connectors.

### Acoustic Foam Windscreen

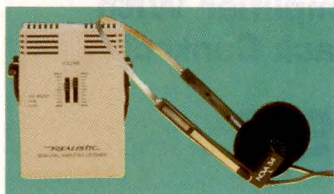


Fits most microphones. Cuts wind and breath "pop". **33-373 . . . 2.99**



# WIRELESS AND SPECIAL-PURPOSE MICROPHONES

## Listening Aid System



**39<sup>95</sup>**

Including  
Lightweight  
Headphones

Amplifies sounds around you for easy listening. Binaural (2-channel) circuit for natural sense of direction. Two electret mikes, dual volume controls. On/off/hi-boost for better hi-frequency response. Neck strap 9.5 x 6.3 x 1.9cm. Requires 2 "AA" batteries. Regular separate items \$43.90. Save \$3.95.  
33-1091/33-1000 ..... **39.95**  
Listening Aid Alone. 33-1091 ..... **34.95**

## Complete 2-Piece Wireless FM Mike System

**149<sup>95</sup>**

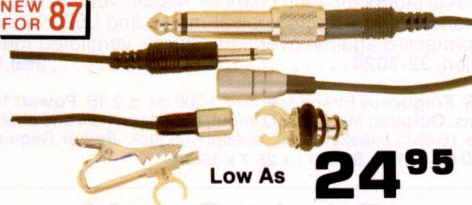
- Crystal-Controlled Transmitter
- Dual-Conversion Receiver
- Clip-On Electret Mike



Hands-free talking and freedom of movement for lecturers, MCs, clergymen. Use with PA or hi-fi amp, or video camera. Transmitter has off/standby/talk switch, LED battery-test indicator, belt clip. 60-metre range, 70-10,000 Hz response. Transmitter (5.9 x 9.5 x 2.2cm) requires "AA" battery. Rcvr. (5.7 x 17.1 x 14.6cm) for 240V AC operation (or DC adapter, extra). 32-1221 ..... **149.95**  
12V DC Power Cord. 270-1533 ..... **8.95**

## Electret Tie-Clip Mikes

NEW FOR 87



Low As **24<sup>95</sup>**

- (1) **Miniature Mike.** Just 1.9cm long. 50-15,000 Hz. 1000 ohms. With clip, 1m cord, 1/8" plug. With 23-115 battery. 33-1052 ..... **24.95**  
(2) **Omnidirectional.** 30 to 18,000 Hz. 800 ohms. Only 2.2cm long. Includes 1.98m cord, 1/4" plug, 1/8" mini-plug adapter, clip and tie-pin. With 23-115 battery. 33-1063 ..... **37.95**

## PZM<sup>®</sup> Microphone

**59<sup>95</sup>**



**Realistic PZM.** Detects pressure changes, not sound waves, so PZM eliminates "echos" and increases clarity and range. Ideal for large rooms and stages. 20 to 18,000 Hz. 600 ohms. 13.9 x 12.2cm. 5.5m cord, 1/4" plug. Requires "AA" battery.  
33-1090 ..... **59.95**  
PZM is a Trademark of Crown International

## Handy Sound Level Meter

**49<sup>95</sup>**

- Check Music or Noise Levels in Home/Industry



Use with frequency equalizer to customise audio response of stereo or PA systems. Checks noise levels. Reads to 126 dB SPL with slow and fast response settings. "A" or "C" Weighting. Electret mike, tape recording output. 15.9 x 6.2 x 4.4cm. Needs 9V battery.  
33-2050 ..... **49.95**

## Slim Electret Omni Mike

**29<sup>95</sup>**

- Only 17.2cm Long
- With Desk Stand



Weighs less than 85g. 20 to 13,000 Hz. 600 ohms. With cable, 1/4" plug. Requires "AAA" battery.  
33-2011 ..... **29.95**

## Omnidirectional Mike

**21<sup>95</sup>**



**Omnidirectional.** Credit card size electret. 30 to 18,000 Hz. 700 ohms. Cord, 1/8" plug. With 23-107 battery. 33-1089 ..... **21.95**

## Dual-Pattern Electret Mike for Video Cameras

**69<sup>95</sup>**



80-12,000 Hz response. 600 ohms. 45.7cm camera cable. 3m extension, 1/4" plug. 27.9 x 2cm diameter. Requires one "AA" battery.  
33-1062 ..... **69.95**

## Replacement Mikes for Portable Recorders

**21<sup>95</sup>**



**Electret Condenser Omnidirectional.** Outstanding response at an affordable price. 1/8" plug for audio, submini for remote on/off. 20-13,000 Hz. 1.9m cord. Stand, windscreen. With "AAA" battery.  
33-1060 ..... **21.95**

**16<sup>95</sup>**



**Windscreen Dynamic.** Mesh screen reduces wind and breath noise. Mini-plug for audio, submini for remote on/off. 100-11,000 Hz. Low impedance. 1.9m cord, stand.  
33-2001 ..... **16.95**

**11<sup>95</sup>**



**"Pencil" Dynamic.** 150-10,000 Hz response. Mini-plug for mike, submini for remote control. Low impedance. Desk stand, 1.8m cord.  
33-1034 ..... **11.95**

**8<sup>95</sup>**



**Low-Cost Dynamic.** Dynamic quality at a crystal mike price. Mini-plug for mike, submini for remote control. Low impedance. Stand, 1m cord.  
33-1054 ..... **8.95**



# VALUE-PRICED REALISTIC PA POWER AMPLIFIERS



## 100-Watt Amplifier With Anti-Feedback Control

**399<sup>95</sup>**

- Aux Input for Adding Mixer/Tape Deck
- Power Meter Constantly Monitors Output Level
- Input/Output Jacks for Equalizer and Effects
- Jack for Monitoring Overall Mix With Headphones
- Mix Bus Jack for Stacking Extra Amplifiers

**Realistic MPA-90.** Our best amplifier has the power and performance you need in a portable that's ideal for auditoriums and live bands. You'll appreciate the variable feedback filter that cuts any selected frequency from 300 to 3000 Hz by 12 dB to eliminate "howling". Four high and four low-impedance mike inputs, with aux input and Glide-Path level faders for each channel. Master volume control with a handy "memory" ring, lighted power meter, and LED clipping indicator. Fully protected against overload. Sturdy, ventilated metal case. AC operation. **32-2024** ..... **399.95**

**SPECIFICATIONS.** Frequency Response: 30-20,000 Hz  $\pm 2$  dB. **Power:** 100 watts rms at 4 ohms. **Outputs:** Mix bus, EQ in/out, push-terminals and phono-type jacks for 4 to 16-ohm speakers, 1/4" headphone jack. **Power Requirement:** 240VAC, 50 Hz, 200W. **Size:** 11 x 26.7 x 19cm.



**Features 1/4" Mike Jacks And XLR-Type Connectors For Using "Pro" Mikes**

## Compact 35-Watt PA Power Amplifier With Remote Priority Override



**229<sup>95</sup>**

- For Mid-Size Auditoriums, Churches, Paging, Music
- 70V Output for Multiple Speaker Systems

**Realistic MPA-35.** Superb sound at low cost! Priority terminals permit mike-1 to override all other channels, which is great for paging or emergencies. Three mixable Glide-Path controls for mike-1, mike-2 and phono/aux. Built-in preamp for magnetic-cartridge phono. Master volume control with "memory" ring, tone control and LED power "on" indicator. Metal case. AC operation. **32-2027** ..... **229.95**

**SPECIFICATIONS.** Frequency Response: 70-15,000 Hz  $+1/-3$  dB. **Power:** 35 watts rms at 8 ohms. **Outputs:** 4, 8, 16 ohms; 70V line; terminals for adding optional SPST switch for remote priority switching. **Power Requirement:** 240VAC, 50 Hz, 120W. **Size:** 11 x 26.7 x 19cm

## 20-Watt PA Amplifier Operates on 240VAC or 12VDC for Mobile Use



**189<sup>95</sup>**

- Accepts Either Low or Hi-Impedance Mikes
- High-Level Phono/Aux Inputs

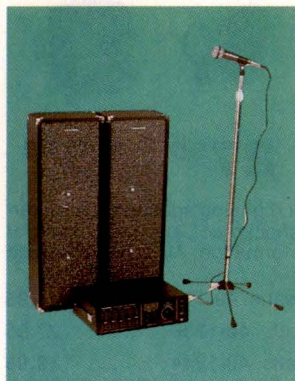
**Realistic MPA-20.** The PA amplifier you can take almost anywhere! Individual controls for two-mike input and a dual-function phono/aux input allow simultaneous mixing. Master volume and tone controls, LED power "on" indicator. 70V line output for multiple-speaker systems. Metal case. Includes mobile mounting bracket with thumbscrews for easy removal, 12V power cord with cigarette lighter plug. AC operation. **32-2020** ..... **189.95**

**SPECIFICATIONS.** Frequency Response: 150-20,000 Hz  $\pm 3$  dB. **Power:** 20 watts rms at 8 ohms. **Outputs:** 4, 8, 16 ohms; 70V line. **Power Requirement:** 240VAC, 50 Hz, 40W or 12VDC negative ground. **Size:** 11.5 x 26.5 x 19cm.



# BUY A COMPLETE PA SYSTEM AND SAVE!

## "Toastmaster's" Special



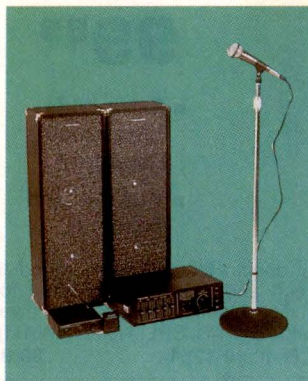
**Save  
\$90<sup>75</sup>**

Reg. Separate  
Items 839.75

**\$749**

- MPA-90 Professional PA Amplifier
- Folding Microphone Stand
- Highball Dynamic Microphone
- Two PA-800 Portable Column Speakers

## 100W 2-Mike Club System



**Save  
\$88<sup>70</sup>**

Reg. Separate  
Items 987.70

**\$899**

- MPA-90 Professional PA Amplifier
- Cast-Base Microphone Stand
- Highball Dynamic Microphone
- 2-Piece FM Wireless Microphone
- Two PA-800 Portable Column Speakers

## "Singer's Choice"



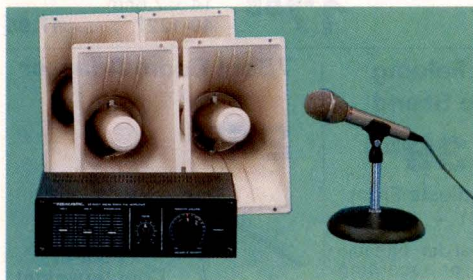
**Save  
\$152<sup>35</sup>**

Reg. Separate  
Items 1511.35

**\$1359**

- MPA-90 Professional PA Amplifier
- Four Cast-Base Microphone Stands
- Four Highball Dynamic Microphones
- Four PA-800 Portable Column Speakers

## Sports Announcer System



**Save  
\$65<sup>65</sup>**

Reg. Separate  
Items 694.65

**\$629**

- MPA-35 PA Amplifier
- Desk Mike Stand
- Super-Cardioid Microphone
- Four 20.3cm Powerhorn Speakers

## Meeting Hall System



**Save  
\$60<sup>15</sup>**

Reg. Separate  
Items 619.15

**\$559**

- MPA-35 PA Amplifier With Remote Override
- Two Cast-Base Microphone Stands
- Six 10-Watt, 70-Volt Line Transformers
- Two Tight Cardioid-Patten Dynamic Mikes
- Six 20.3cm Wall-Baffle Speakers

## Piped Music/Office Paging System



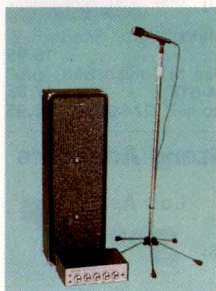
**Save  
\$59<sup>20</sup>**

Reg. Separate  
Items 658.20

**\$599**

- MPA-35 AMP
- Desk Stand
- TM-150 AM/FM Stereo Tuner
- Six 10-Watt, 70 Volt Transformers
- Cardioid Mike
- Six 20.3cm Wall-Baffle Speakers

## 'Anywhere' PA System



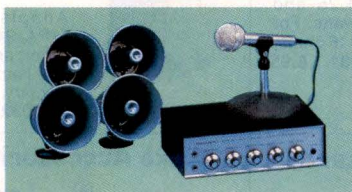
**Save  
\$40<sup>80</sup>**

Reg. Separate  
Items 419.80

**\$379**

- MPA-20 PA Amplifier
- Folding Microphone Stand
- Highball-7 Microphone
- PA-800 Column Speaker

## Low-Cost Paging



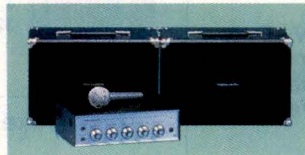
**Save  
\$32<sup>65</sup>**

Reg.  
Separate  
Items  
351.65

**\$319**

- MPA-20 PA Amplifier
- Cast-Base Desk Mike Stand
- Highball-2 Dynamic Mike
- Four 12.7cm Powerhorn Speakers

## "On-the-Go" PA System



**Save  
\$35<sup>80</sup>**

Reg. Separate  
Items 424.80

**\$389**

- MPA-20 PA Amplifier
- Highball-2 Dynamic Mike
- Two PA-25 Speakers

## Compact Portable PA



**Save  
\$19<sup>85</sup>**

Reg. Separate  
Items 208.85

**\$189**

- MPS-20 PA Speaker/Amplifier
- Highball-7 Microphone
- 12VDC Power Cord



# BIG SELECTION OF PA SPEAKERS & ACCESSORIES

## Lightweight Portable PA Speaker

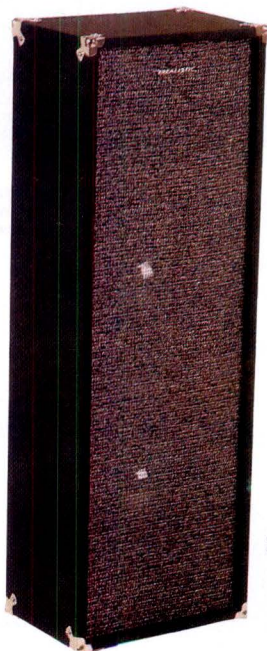


**99<sup>95</sup>**

- Two Wide-Range 100mm Speakers
- Bass Reflex Enclosure

**Realistic PA-25.** You'll get outstanding performance from these compact and easy to carry little speakers that deliver full-size sound. Frequency response is 100-18,000 Hz. Handles 50 watts. 8 ohms. System sensitivity: 91 dB(SPL at 1W/1M). 1/4" jack, two spring terminals. Vinyl leatherette finish. Carry handle. 22.2 x 33 x 17cm. **40-1420 . . . . . 99.95**

## High-Power Public Address Sound Reinforcement Speaker



For Voice or Music in Clubs, Schools or Stage Shows

**159<sup>95</sup>**

Two Heavy-Duty 200mm Speakers And Piezo Horn Tweeter

**Realistic PA-800.** Designed for "natural" sound reinforcement! Controlled 130° sound dispersion maximizes coverage pattern, minimizes feedback for easy mike placement. Smooth 140-18,000 Hz response. System sensitivity: 96 dB (SPL at 1M/1W). Black vinyl enclosure with carry handle, protective metal corners. Power handling capacity: 75 watts. Has 1/4" jack, two spring terminals for easy hookup. 8 ohms. 76.2 x 25.4 x 17.5cm. **40-7003 . . . . . 159.95**

## 40-Watt Super Powerhorn®

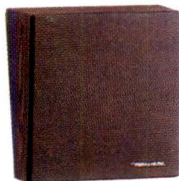


**99<sup>95</sup>**

- Extra-Wide Frequency Response
- Weatherized Housing

High-efficiency design for maximum sound fidelity for speech and music. Engineered for years of reliability. Metal swivel base. Power capacity, 40 watts. 8 ohms. SPL: 110 dB (1W/1M). 28 x 16.5 x 21.6cm. **40-1251 . . . . . 99.95**

## 8" Wall Speaker/Baffle



**29<sup>95</sup>**

For voice or music. Mounts easily on wall. Handy built-in volume control. 8 ohms. Walnut vinyl finish. 27.3 x 27.3 x 12cm. **40-219 . . . . . 29.95**

## Multi-Purpose Powerhorns

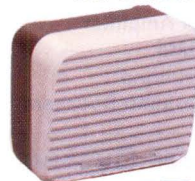


**44<sup>95</sup> 27<sup>95</sup> 19<sup>95</sup>**

These PA, music and paging speakers are waterproof, dustproof, shockproof and resist rust for years of quality performance. All 8 ohms. Include mounting bracket.

**200mm Horn.** 15 watts. **40-1239 . . . . . 44.95**  
**127mm Horn.** 8 watts. **40-1236 . . . . . 27.95**  
**100mm Horn.** 5 watts. **40-1244 . . . . . 19.95**

## In/Outdoor Speakers



**17<sup>95</sup>**

Big value on these versatile speakers. Slots and hardware for mounting. 8 ohms. 100mm drivers 12 x 14 x 7.6cm. **40-1227 . . . . . 17.95**

## Cast-Iron Base Mike Stand

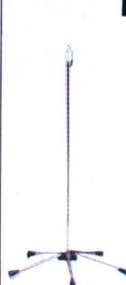


**37<sup>95</sup>**

Easy-to-Adjust Sure-Grip Clutch

Heavy-duty chromed tube adjusts quickly from 86cm to 163cm. Low-profile base, protective rubber feet. Standard 5/8"-27 threading. **33-320 . . . . . 37.95**

## Portable Folding Mike Stand



**39<sup>95</sup>**

Adjusts From 81 - 144cm

Ideal for portable PA or recording mikes. Standard 5/8"-27 thread. Positive-action clutch. Folding legs, rubber feet. **33-325 . . . . . 39.95**

## 78cm Boom Adapter

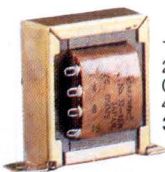


**24<sup>95</sup>**

Built-In Counterweight

Great for recording applications. Chromed tube, length/angle adjustments. 5/8"-27 threading. **33-344 . . . . . 24.95**

## 70-Volt Line Transformer



**8<sup>95</sup>**

Taps at 10, 5, 2.5, 1.25 and 0.62 watts. For 4, 8 or 16 ohms. **32-1031 . . . . . 8.95**

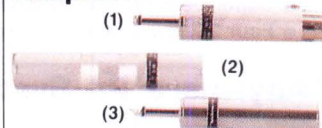
## 100-Watt, 70-Volt Line Transformer



**49<sup>95</sup>**

Adapts our MPA-90 and other amps to 70V line. 4-ohm primary. **32-1032, 49.95**

## Adapters



(1) A3F. Connect "pro" line to hi-Z. **274-016 . . . . . 18.95**  
 (2) A3M. Use hi-Z mike with "pro" system. **274-017 . . . . . 17.95**  
 (3) 1/4" Lo to hi-Z. **274-023 . . . . . 16.95**

## Desk Mike Stand

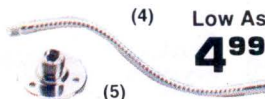


**14<sup>95</sup>**

Padded Feet

Heavy-duty cast-base with 10cm chromed tube. Standard 5/8"-27 thread. **33-370 . . . . . 14.95**

## Mike Accessories



(4) Low As **4<sup>99</sup>**

(4) 33cm gooseneck extension. **33-330 . . . . . 9.95**  
 (5) 5/8" screw flange. Attach stand to desk or lectern. **33-332 . . . . . 4.99**

## Mike Stand Adapters



Low As **3<sup>99</sup>**

(6) Clamp-on to stand for side mount. Holds most mikes. **33-372 . . . . . 6.49**  
 (7) Slip-in standard mike holder. **33-371 . . . . . 3.99**



# AUDIO EQUIPMENT FOR "STUDIO" SOUND

## 5-Channel Stereo Mixing Console



**199<sup>95</sup>**

Inputs for Two Tape Decks, Three Mikes and Two Magnetic or Ceramic Turntables

Our finest mixer! Use this professional mixing console to record from multiple sources or control audio at "live" performances. "Pan" pots adjust each mike's apparent position in the stereo image. Glide-Path® fader controls on all channels and two lighted meters for signal monitoring. Separate jacks for tape recording and main line-out, 1/4" headphone jack with adjustable cue/monitor level, two "cue" pushbuttons, mono/stereo switch. Built for years of dependable, quiet performance. Response: 10-30,000 Hz. 7 x 27 x 21.6cm. 240V AC operation. 32-1200 ..... 199.95

## 4-Channel Stereo Mixer

**129<sup>95</sup>**

- Mix a Tape Deck, Mike and Two Turntables
- AC or Battery Operation
- Battery Test Button



Make recordings or mix "live" sound like the professionals with this value-priced mixer. Features Glide-Path channel faders, dual lighted VU meters, two magnetic/ceramic phono inputs, stereo microphone input, tape and line outputs, cue/monitor, 1/4" mike jacks. Mono/stereo mode switch permits mono signal on both output channels. Headphone monitoring jack. Built-in battery tester. 20-20,000 Hz. 7 x 26.6 x 19cm. Requires 4 "AA" batteries or AC adapter. 32-1100 ..... 129.95  
AC Adapter. 273-1454 ..... 9.95

## 5-Band Frequency Equalizer

**59<sup>95</sup>**

- Depth, Mike Level and Repeat Controls



Compact, yet loaded with features. Five Glide-Path controls boost/cut response up to 12 dB at 60, 240, 1000, 3000 and 10000 Hz. Gain control, EQ/bypass switch, mike in/out and line in/out jacks. 20-20,000 Hz. 4.5 x 18 x 12.7cm. Requires six "AA" batteries. 32-1115 ... 59.95  
AC Adapter. 273-9663 ..... 19.95

## Stereo Mike/Line Mixer



- Mixes Up to Four Mikes or Line Inputs Simultaneously

**49<sup>95</sup>**

Our most affordable mixer is ideal for recording like a professional from multiple sources or adding extra inputs to a PA system. Features Glide-Path faders on all four channels for smooth volume changes, battery-test pushbutton with LED indicator. Mike level output. 7 x 22 x 12.7cm. Requires 9V battery. 32-1105 ..... 49.95

## Electronic Reverb

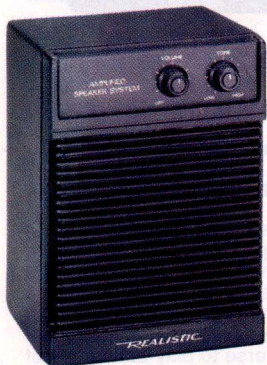
**79<sup>95</sup>**

- Tailor PA Sound Indoors or Out



Adds echo and reverberation effects to "live" vocals, recordings, or amplified musical instruments. Works with tape decks, PA or guitar amps. Glide-Path controls for smooth operation. Jacks for line-in, line-out, and 1/4" mike in/out. Mono circuit. 6.4 x 16.8 x 12cm. Requires 6 "AA" batteries. 32-1110 ..... 79.95  
AC Adapter. 273-9663 ..... 19.95

## Low-Cost 1-Watt PA Speaker System



**34<sup>95</sup>**

Sets Up Anywhere

Amplified Sound whenever you need it. Tone, volume controls. 1/8" mike, aux jacks. 17 x 12.7 x 10cm. Requires 4 "C" batteries or AC adapter. 32-2031 ..... 34.95  
AC Adapter. 273-1454 ..... 9.95

## PA Musical Powerhorn®



Really Gets Attention! Take it to The Game

With Song List

**59<sup>95</sup>**

Plays 94 preprogrammed tunes, from college fight songs to pop tunes, plus up to 5 more you can program yourself. 100-metre range. Shoulder strap, power-on indicator. Requires 8 "AA" batteries. 32-2030 ..... 59.95

## Portable 12-Watt Speaker System

**169<sup>95</sup>**



Realistic MPS-20. Amplifies musical instruments with virtually no distortion. Big 165mm woofer, 32mm tweeter. Aux jack accepts high-level source or tape deck, will mix with mike input. Volume and tone controls. 29.2 x 22.9 x 16.8cm. AC operation (or DC adapter, extra). 32-2028 ..... 169.95  
12VDC Cord. 270-1533 ..... 8.95



# HIGH-POWER IN-DASH AM/FM STEREO CASSETTES



- 30 Watts ■ Auto-Reverse ■ LCD Display
- 12-Station Memory ■ Front/Rear Fader
- Line In/Out Jacks ■ Night Illumination

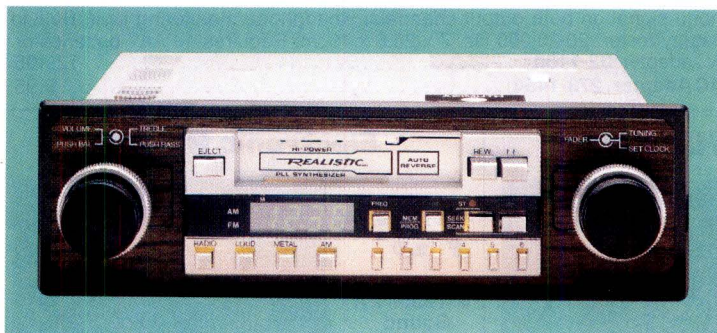
- Dolby B and High-Performance Dolby C
- Motorized Tape Load ■ Key-Off Eject
- FM Local/DX and Mono/Stereo Controls

**Our Best! Logic-Controlled  
Cassette and Dolby<sup>†</sup> B-C NR**

**499<sup>95</sup>** **NEW FOR 87**

Our top-the-line autosound has a precise, electronically controlled cassette mechanism. The 15-watt per channel amplifier with separate bass, treble and loudness controls delivers spectacular sound. Tuner has soft-touch memory presets (6 AM and 6 FM), plus manual and automatic seek modes. Station frequency, accurate time and operating modes are shown on the liquid-crystal display. Standby control lets you play the radio when you rewind or fast-forward a tape. Also has frequency recall control, metal-CrO<sub>2</sub>/standard tape selector, tape auto-search system, line in/out jacks for adding an equalizer, reversible black/woodgrain trimplate.

12-1920 ..... 499.95  
†TM Dolby Laboratories Licensing Corp.



## Auto-Reverse and 12-Station Memory

**349<sup>95</sup>**

- 24 Watts ■ Front/Rear Fader
- LED Radio Frequency/Time Display
- Presets for 6 AM and 6 FM Stations
- Bass, Treble and Loudness Controls

Now even a better value! The 12-watt per channel amplifier delivers robust bass and sparkling treble. The digital-electronic tuner gives you convenient scan and automatic seek modes as well as instant memory tuning. Signal enhancer IC really improves FM by automatically adjusting signal and reducing noise on weak stations. Also has FM stereo/mono control, auto-reverse to play both sides of tapes automatically, locking fast-forward and rewind for easy tape handling, Metal-CrO<sub>2</sub>/standard tape selector, key-off tape release, manual eject control, night illumination. 12-1912 ..... 349.95



## Auto-Reverse, "Flat-Face" for Imports

**339<sup>95</sup>**

- 30 Watts
- Front/Rear Fader
- 5 AM and 5 FM Presets

Combines a powerful 15-watt per channel amplifier and digital-electronic tuner in a design that's ideal for many late-model imported cars. Has memory, pushbutton up/down and seek tuning modes, LCD frequency/time display and frequency recall key, FM signal-enhancer IC and FM mono/stereo control. Separate bass and treble controls, tape selector, locking fast-forward and tape direction controls with LED indicators, line in/out jacks, key-off tape release. 12-1918 ..... 339.95



## Auto-Reverse, Built-In 5-Band Equalizer

**NEW FOR 87**

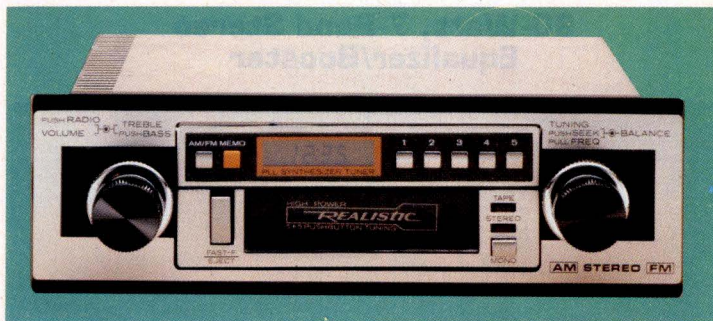
**299<sup>95</sup>**

- 24 Watts ■ 6 AM and 6 FM Presets
- Front/Rear Speaker Fader Control
- Metal-CrO<sub>2</sub>/Standard Tape Selector

The powerful 12-watt per channel amplifier has a full-time loudness boost circuit and you can customize its frequency response with the equalizer. "Punch up" the bass, smooth out the midrange, even reduce tape hiss. The frequency display shifts to accurate time after a station is tuned and has a frequency recall control. Seek tuning mode locks in the next available station with one-touch ease. Has a built-in signal-enhancer IC and a manual mono/stereo control to optimize FM reception, auto-reverse to play both sides of the tape automatically, key-off tape release, manual eject control and night illumination. 12-1930 ..... 299.95



# IN-DASH AM/FM STEREO CASSETTE BARGAINS!



## AM Stereo and FM Stereo With 10 Presets

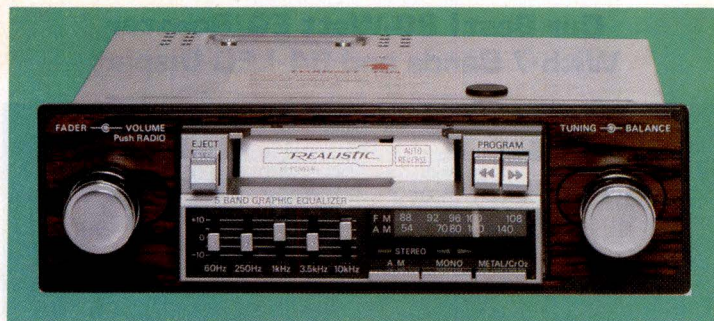
**279<sup>95</sup>**

- 24 Watts ■ 5 AM, 5 FM Presets
- LCD Radio Frequency/Time Display
- Separate Bass and Treble Controls

Only Tandy gives you high power, beautiful styling and Motorola C-Quam AM stereo at such a low price! The 12-watt per channel amplifier delivers quality sound at all volume levels. Digital-electronic tuner provides convenient memory, seek and manual tuning modes. Automatic FM signal-enhancer IC and manual AM/FM mono/stereo control assure great reception wherever you drive. The liquid-crystal display shifts to accurate time after a station is tuned and has a frequency recall control. Cassette has a locking fast-forward/manual eject control, auto-stop at end of tape.

12-1923 ..... 279.95

C-Quam is a trademark of Motorola, Inc.



## Feature-Packed! With Auto-Reverse and Compact Size

- Locking Fast-Forward/Rewind to Help Find Selections
- Auto-Reverse Plays the Other Side of Tapes Automatically
- Stereo/Mono Control for Better FM in Weak-Signal Areas
- Five-Band Graphic Equalizer

**259<sup>95</sup>**

Twelve watts per channel plus a built-in five-band equalizer to customise your sound — even fine-tune your speakers. Slide-action controls boost or cut response up to 10 dB in bands centred at 60, 250, 1000, 3500 and 10,000 Hz. Convenient automatic tape release when ignition key is turned off. LEDs indicate tape direction. Reversible grey/walnut grain trimplate.

12-1914 ..... 259.95

## Quality Sound and Most-Wanted Features at Affordable Prices!

- Auto-Reverse Plays Both Sides of Tapes Automatically
- Stereo/Mono Control for Best FM in Weak-Signal Areas

One of our most popular players—now even a better value! Provides excellent sound and easy operation in a "mini" size that fits in-dash of practically any car. Program control gives you instant access to the other side of the tape without ejecting. Also has LED tape direction indicators, separate locking fast-forward and rewind controls, manual eject. Includes two trim plates, nosepiece adapter. 8 watts total output. 12-1906 ..... 179.95

- 24-Watt Amplifier ■ Bass, Treble and Loudness Controls
- Dolby B<sup>+</sup> NR ■ Locking Fast-Forward ■ Auto-Stop

High-power 12-watt per channel amplifier gives you rich bass, clean treble and plenty of dynamic range. Metal-CrO<sub>2</sub>/standard tape selector provides correct equalization for all types of cassettes. Locking fast-forward makes it easier and safer to find cassette selections while you drive. Auto-stop at end of tape in the play mode helps prevent damage to tapes. Also has FM stereo/mono control for better reception in weak-signal areas, LED indicators for tape mode and FM stereo. 12-1911 ..... 179.95

†TM, Dolby Laboratories Licensing Corp.

**179<sup>95</sup>**

**179<sup>95</sup>**



## Our Lowest Price Ever for a In-Dash AM/FM Stereo Cassette



**NEW FOR 87**

**89<sup>95</sup>**

- Reversible Black/Walnut Grain Trimplate

Compact "mini/universal" chassis easily fits the dash of even the smallest cars and gives you surprisingly good sound at minimum cost. We include a DIN nose adapter and trimplate for larger cars, too. AM/FM bandswitch has FM-mono position for best fringe-area FM. Locking fast-forward/manual eject control, LED FM stereo and tape mode indicators, lighted dial. 8 watts total output.

12-1927 ..... 89.95



# CAR STEREO PERFORMANCE BOOSTERS

## Our Best! 80-Watt EQ/Booster With 7 Bands and 84-LED Display



**189<sup>95</sup>**

Separate Up and Down Buttons  
For Each Band Let You Boost/Cut  
Response in Precise 2 dB Steps

You can "tap up" and "tap down" the response in each band and actually see the curve change on the 84-LED display! 40 watts per channel really improves your existing system. LED power output meter, fader for four-speaker systems. Boost/cut range: 12 dB. Band centres: 60, 150, 400, 1000, 2400, 6000, 12,000 Hz. Speaker-level and line-level inputs — works with virtually all autosound. Only 1% THD at 65 watts. 4.8 x 16.2 x 16.5cm.

12-1870 ..... 189.95

## 60-Watt, 7-Band Stereo Equalizer/Booster



**159<sup>95</sup>**

- Front/Rear Fader
- 30-Watts Per Channel
- 10-LED Power Meters With Range Switch

**NEW  
FOR 87**

Backlighted slide-action controls let you increase or cut response up to 12 dB in bands centered at 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. Speaker-level and line-level inputs — works with virtually all autosound. 4.7 x 18 x 15.8cm. 12-1953 ..... 159.95

## 40-Watt Stereo Boosters and EQ/Boosters—More Power to You!



Improve your present car stereo system! All models below give you plenty of clean audio power—they're rated at only 1% total harmonic distortion at 30 watts output. The models with built-in equalizer let you increase or cut frequency response up to 12 dB in separate bands. You can "punch up" the bass, smooth out the midrange, and shape the sound to fit your car and personal tastes!

### 40-Watt Stereo Power Booster

(1) This tiny, yet very powerful booster fits easily under any dash and delivers a big improvement in sound at low cost. Has LED power "on" indicator. Only 2.5 x 10.6 x 10.9cm. 12-1869 ... 39.95

### Five-Band Equalizer/Booster

(2) Our lowest priced equalizer/booster combo is perfect for two-speaker systems. Band centers: 60, 250, 1000, 3500 and 12,000 Hz. LED "on" indicator. 4.2 x 12.7 x 15.2cm. 12-1952 ... 69.95

### Seven Bands, Fader, Slim Design

(3) Equalizer/booster has a thin-line design for easy installation in small vehicles. Features a five-level 10-LED power meter, fader control for balancing four-speaker systems, night illumination. Band centers: 60, 150, 400, 1000, 2400, 6000, 15,000 Hz. 3 x 14.9 x 14.6cm. 12-1954 ... 99.95

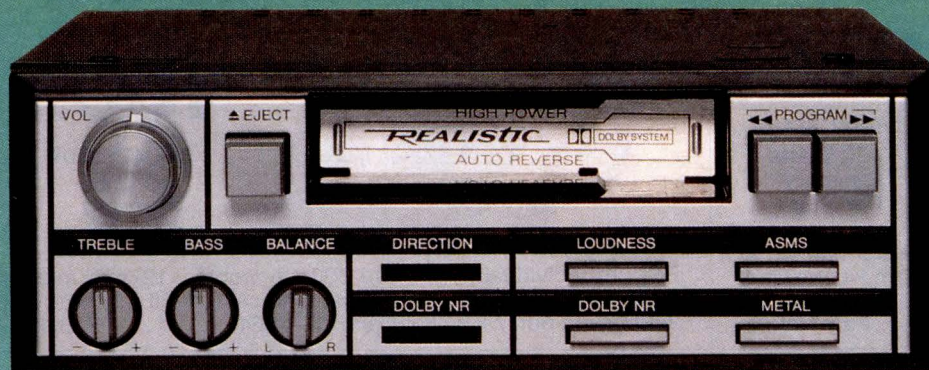
### Seven Bands, Fader, 20-LED Meter

(4) Equalizer/booster with backlighted controls and fader for four-speaker systems. Has speaker-level inputs plus line-level inputs for use with separate autosound components—works with virtually all autosound equipment. Dual 10-segment LED audio power meter, LED "on" indicator. Band centers: 60, 150, 400, 1000, 2400, 6000 and 15,000 Hz. 4.2 x 16.1 x 12.9cm. 12-1871 ..... 129.95

**NOTE:** Boosters rated total watts rms output, both channels. They require 4-wire ungrounded speaker wiring. For 12 VDC negative ground vehicles only. Include illustrated instructions and under-dash mounting hardware.



# UNDERDASH TAPE PLAYERS & ACCESSORIES



**High Power, Auto-Reverse, Dolby\***

**NEW FOR 87**

**179<sup>95</sup>**

**Auto-Search Music System Makes it Easy to Find Tape Selections**

Our best underdash stereo cassette! 12 watts per channel, separate bass, treble and loudness controls, Dolby B noise reduction system. Auto-reverse, locking fast-forward and rewind for easy operation. 4.9 x 14.9 x 17.1cm.

12-1983 ..... 179.95

**With Auto-Reverse and Auto-Search**



**8 Watts Output**

**139<sup>95</sup>**

**Auto-Search System Advances Tape to the Next Selection or Replays a Selection**

Stereo player with auto-reverse plays both sides of tapes automatically. Locking fast-forward and rewind. 4.4 x 14.2 x 14.9cm. 12-1979 ..... 139.95



**Our Smallest and Lowest Priced Stereo**

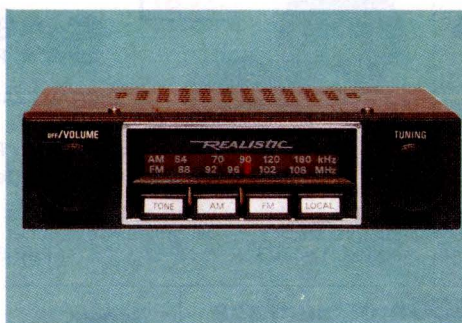
**NEW FOR 87**

**59<sup>95</sup>**

**Fits Under Any Dash**

Good sound, all the basic features. Auto-stop, locking fast-forward/eject control. 4.2 x 13.9 x 13.9cm. 8 watts total output.

12-1984 ..... 59.95



**Dual-Polarity AM/FM Radio**

**NEW FOR 87**

**69<sup>95</sup>**

**Ideal for Truckers**

For 12 VDC negative or positive ground vehicles. Has built-in speaker, 1/8" jack for an external speaker, FM local/DX control, lighted dial. 4.7 x 16.8 x 12.3cm.

12-1355 ..... 69.95

## HANDY INSTALLATION INFORMATION FOR REALISTIC® IN-DASH AUTOSOUND EQUIPMENT

Cat. No.	Chassis Type	Body Size (H x W x D)		Nosepiece Size (H x W x D)		Shaft Spacing (Adjustable)	
		Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
12-1906 ✓	Mini/Univ.*	1 3/4 x 6 1/4 x 4 5/8	44 x 160 x 120	1 3/8 x 3 3/4 x 1 3/8	41.5 x 93 x 35	5 to 5 13/16	125 to 148
12-1911 ✓	DIN-C	1 3/4 x 7 3/32 x 5 5/16	44 x 180 x 135	1 21/32 x 4 1/8 x 1 3/8	42 x 105 x 35	5 1/8 to 6 5/16	130 to 160
12-1912 ✓	DIN-C	1 3/4 x 7 1/16 x 5 5/16	44 x 178 x 135	1 21/32 x 4 1/8 x 2 7/32	42 x 105 x 21	5 1/8 to 5 13/16	130 to 148
12-1918	DIN-E (FF)	1 31/32 x 7 1/16 x 5 5/16	50 x 178 x 135	(no nose piece)	—	(no shafts)	—
12-1920 ✓	DIN-C	1 31/32 x 7 3/32 x 5 23/32	50 x 180 x 145	1 11/16 x 4 3/16 x 1 15/32	42.5 x 106 x 37	5 1/8 to 6 1/4	130 to 158
12-1923 ✓	DIN-C	1 31/32 x 7 1/16 x 5 1/8	50 x 178 x 130	1 21/32 x 7 1/16 x 1 5/16	42 x 178 x 23.5	5 1/8 to 5 13/16	130 to 148
12-1927 ✓	Mini/Univ.*	1 31/32 x 6 7/16 x 4 5/8	50 x 164 x 120	1 21/32 x 3 11/16 x 1 3/8	42 x 92 x 35	5 1/8 to 5 13/16	130 to 148
12-1930 ✓	DIN-C	1 31/32 x 7 1/16 x 5 5/16	50 x 178 x 135	1 3/4 x 4 1/8 x 1 3/16	44 x 105 x 31	5 1/8 to 5 13/16	130 to 148
12-1914 ✓	DIN-C	1 3/4 x 7 3/32 x 5 5/16	44 x 180 x 135	1 11/16 x 4 3/16 x 1 15/32	42.5 x 106 x 37	5 1/8 to 6 1/4	130 to 158

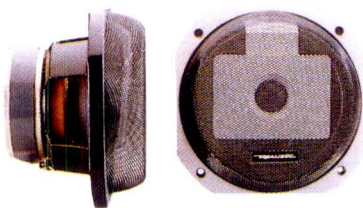
DIN-C size fits in dash of most European and many larger Japanese cars, many domestic and mid-size. DIN-E "flat-face" design for many late-model European and Honda cars. MINI fits smallest Japanese cars, most domestic compacts and subcompacts. ✓ Includes Ford/GM rubber gasket for nosepiece \* Fits standard and import-size cars. GENERAL INFORMATION: All players include ample speaker cable, plug-in wiring harness with clearly labeled leads, fuse, switched power lead for accessories (except 12-1927), mounting hardware, illustrated instructions, trim plates and nosepieces. For 12 VDC negative ground only. CAUTION: High-power players require 4-wire ungrounded speaker wiring. NOTE: 6 5/16" (160mm) shaft spacing is standard for most domestic trucks.

See Our Complete Line of Autosound Speakers and Speaker Systems on Pages 52 and 53



# MATCHED STEREO SPEAKER PAIRS FOR ANY CAR

## 152mm Hi-Powered Car Speakers



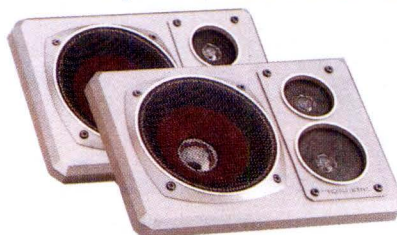
**199<sup>95</sup>**  
Pair

DIGITAL READY  
120 Watts  
Capacity  
Per Pair

NEW  
FOR 87

Our best ever! These magnificent 2-way speakers handle a massive 60 watts each! Acoustic-suspension 150mm woofer and 100mm tweeter ideal for rear deck mount or vans. 4 ohms impedance. 20-20,000 Hz response. 12-9610 . . . . . Pair 199.95

## 3-Way 133mm Flush-Mount System



**139<sup>95</sup>**  
Pair

DIGITAL READY  
80 Watts  
Capacity  
Per Pair

Feature individually mounted 133mm woofer, 127mm midrange and 50mm tweeter, with electronic crossover. Fit standard 150 x 230mm cut-out. 7 x 24.8 x 17cm. 12-1854 . . . . . Pair 139.95

## 3-Way 133mm Flush-Mount



**119<sup>95</sup>**  
Pair

DIGITAL READY  
60 Watts  
Capacity  
Per Pair

Big 133mm air-suspension woofer with 567g magnet pumps out clean bass. 25mm voice coil, 50mm midrange, 25mm horn tweeter with crossover. No retainer rings required.

12-1856 . . . . . Pair 119.95

## 2-Way 133mm Surface-Mount

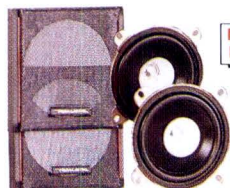


**119<sup>95</sup>**  
Pair

DIGITAL READY  
60 Watts  
Capacity  
Per Pair

Individually mounted 133mm woofer and 50mm tweeter. Electronic crossover network. Open-mesh grilles, moulded housing. 7.5 x 24 x 16cm. 12-1853 . . . . . Pair 119.95

## 102mm Full-Range Flush-Mount



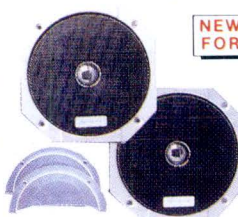
NEW  
FOR 87

**49<sup>95</sup>**  
Pair

DIGITAL READY  
40 Watts  
Capacity  
Per Pair

Only 38mm deep. Fit in doors or wherever space is tight. Dual cone with moistureproof poly driver. 136g magnet. Open-mesh grilles, moulded housing. 12-1704 . . . . . Pair 49.95

## Compact 133mm Flush-Mount



NEW  
FOR 87

**54<sup>95</sup>**  
Pair

DIGITAL READY  
■ 40 Watts  
Capacity Per Pair  
■ Only 32mm Deep

Fit in the shallowest doors and kick panels. With moisture shields, metal grilles. No retainer rings needed. 12-1703 . . . . . Pair 54.95

## Small 2-Way Surface Mount

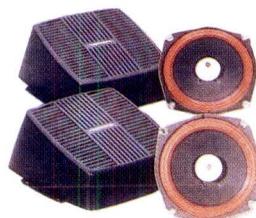


**54<sup>95</sup>**  
Pair

30 Watts Capacity  
Per Pair

Space-savers with remarkable sound. Each has a 76mm woofer and 50mm tweeter. Wedge-shaped enclosures. Mesh grilles. 9.5 x 14.6 x 10.7cm. 12-1701 . . . . . Pair 54.95

## Budget 133mm Surface Mount



**39<sup>95</sup>**  
Pair

20 Watts Capacity  
Per Pair

Wide-response dual-cone speakers with 120g magnets. Mounted in durable, heat-resistant molded housings. Easy installation. 12-1844 . . . . . Pair 39.95

## Low-Priced 133mm Flush-Mount

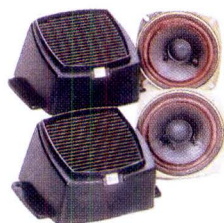


**39<sup>95</sup>**  
Pair

20 Watts Capacity  
Per Pair

Wide-range dual-cone speakers at a budget-pleasing price! Each has a 120g magnet. No retainer rings required for mounting. Snap-on metal grilles. 12-1702 . . . . . Pair 39.95

## Compact 76mm Surface-Mount

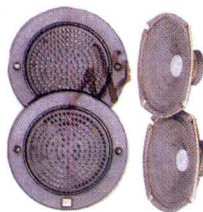


**29<sup>95</sup>**  
Pair

20 Watts Capacity  
Per Pair

An economical way to add fine stereo to your car! Small size fits most subcompacts. Wide-range speakers in durable molded housings. Heavy-duty ceramic magnets. 12-1852 . . . . . Pair 29.95

## Space-Saving 127mm Flush-Mount



**29<sup>95</sup>**  
Pair

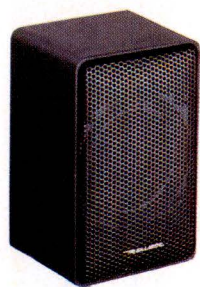
20 Watts Capacity  
Per Pair

Get great stereo, even with minimum mounting space. Wide-range speakers include retainer rings for quick mounting without removing panels. Molded grilles. 12-1851 . . . . . Pair 29.95



# VALUES IN AUTO SPEAKERS AND ACCESSORIES

## Minimus-7's Little Brother



**44<sup>95</sup>**  
Each

15 Watts  
Power  
Capacity



**Mounting  
Bracket**  
**19<sup>95</sup>**  
Pair

**Minimus® -3.5.** Ideal for wide-range stereo in small cars. Extraordinary 89mm speaker. High-density moulded enclosure for extended bass. 14.2 x 9.2 x 8.6cm. **40-1996** ..... 44.95  
**Mounting Bracket.** 40-1997 ..... pair 19.95

## Die-Cast Metal Minimus-7

**119<sup>95</sup>**  
Each

40 Watts Capacity

**Mounting  
Bracket**  
**24<sup>95</sup>**  
Pair



Two-way system with 100mm woofer and 25mm tweeter. 17.9 x 11.2 x 11cm.

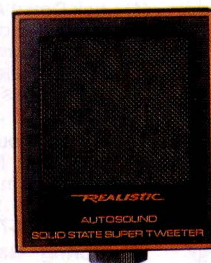
**Black, 40-2030. Silver 40-2034** ..... 119.95  
**Mounting Brackets.** 40-2031 ..... pair 24.95

## Car Piezo Super-Tweeter

**29<sup>95</sup>**  
Each

- Built-In Volume Control
- Mounts on Dash or Visor

25 Watts  
Power  
Capacity



Dramatically extends high-frequency response of existing speakers. No crossover required. 7.9 x 8.9 x 3.5cm. **40-1384** ..... 29.95

## 127 x 178mm Speaker



**14<sup>95</sup>**  
Each

10 Watts Capacity

Great replacement speaker with 85g ceramic magnet. Dual-cone design. 4/8/16 ohms. **40-1261** ..... 14.95

## 89mm Speaker



**13<sup>95</sup>**

Mini in-dash replacements.

Full spectrum, mini in-dash replacement. 142g magnet, 20 watts. **40-1325** ..... 13.95

## Dynamic 100mm Speaker



**9<sup>95</sup>**  
Each

Ideal for tight spots.

Delivers great response from 2 watts of power. Ideal size for tight spots. **40-1208** ..... 9.95

## 127mm Speakers



Low As

**11<sup>95</sup>**  
Each

Cat. No.	Magnet	Watts	Each
40-1284	278g	20	19.95
40-1909	150g	10	14.95
40-1240	79g	5	11.95

## 100 x 150mm Speaker



**14<sup>95</sup>**  
Each

Wide-range sound. 150g ceramic magnet. Handles up to 10 watts. **40-1298** ..... 14.95

## 133mm Speakers



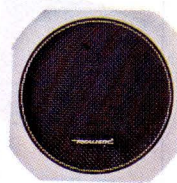
Low As

**11<sup>95</sup>**  
Each

Ideal for doors or back panels.

Cat. No.	Magnet	Watts	Each
40-1354	285g	40	21.95
40-1241	150g	8	11.95

## Wire-Mesh Grille



**9<sup>95</sup>**  
Each

133mm. High-temperature moulded frame. Dust cover, mounting hardware. **40-1336** ..... 9.95

## Moulded Grilles

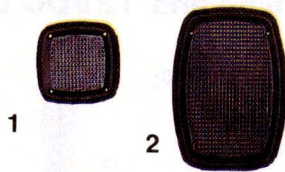


Fig.	Description	Cat. No.	Each
1	100 x 127mm Door	40-1291	4.95
2	152 x 228mm Rear Deck	40-1337	5.95

## Selector/Fader



**12<sup>95</sup>**

Lets you switch between tape and radio and control front/rear stereo balance. **270-046** ..... 12.95

## Stereo Faders



**14<sup>95</sup>**

**High-Power—40 Watts.** For easy front-to-rear speaker balancing. **270-048** ..... 14.95

## Stereo Fader



**11<sup>95</sup>**

For easy front-to-rear speaker balancing. Handles 5-watts. With instructions. **270-047** ..... 11.95

## Selector Switch



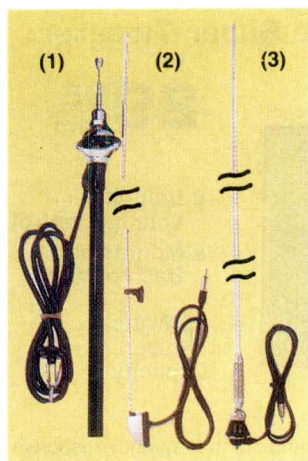
**6<sup>95</sup>**

Switch between tape and radio using the same pair of speakers. With mounting hardware and instructions. **270-045** ..... 6.95

All Speakers and Accessories on This Page, if Applicable, Are 8 Ohms



# ANTENNAS AND ACCESSORIES FOR YOUR CAR



## Value AM/FM Antennas

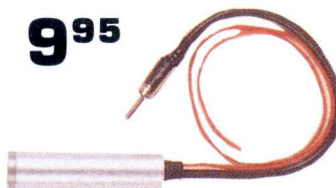
(1) **Lock Down Aerial.** Safe against theft or damage. Extends to 110cm in 5 sections. 1.2m lead. Chrome plated. Includes hardware. 12-9057 ..... 9.95

(2) **Pillar Mount Aerial.** Suits Toyota, Mazda and Datsun. 120cm high in 3 sections. 1.2m lead. Chrome. 12-9570 ... 10.95

(3) **Spring Base Aerial.** Features adjustable ball mount. 3-Section, 140cm high. Chrome. 12-9575 ..... 18.95

## AM/FM Antenna Booster

**9<sup>95</sup>**



Eliminates signal fade, picks up more stations with built-in transistor amplifier. Compact, fits behind dash. Simply plug in between radio and antenna. Includes cable. DC 12V 12-9580 ..... 9.95

## AM/FM Superwhip

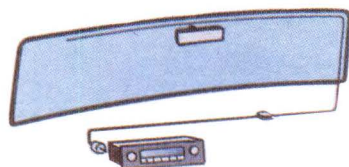
**24<sup>95</sup>**

### 76cm Tuned Helical Antenna

76cm tuned helical antenna for stronger reception and greater range. 5/16" thread base. Includes mounting hardware and cable. 12-9546 ..... 24.95



## Windshield Antenna



No Holes to Drill

**9<sup>95</sup>**

Thin, transparent antenna tape attaches to windshield. Saves you money when replacing a windshield with built-in antenna. With cable, guard cap. 12-1325 ..... 9.95

## Extension Cable and Connectors



(4) **365cm. Inline Extension.** Motorola-type plug on one end, jack on the other. Built-in capacitor. 12-1311 ..... 13.95

(5) **61cm Male-to-Female Inline Extension.** 12-1312 ..... 4.99

(6) **Universal 3-Way Connector.** Couples two antennas to one radio or one antenna to two radios. 12-1313 ..... 4.99

(7) **61cm Male-to-Male Extension Cable.** 12-1314 ..... 4.99

## Gutter-Mount Antenna



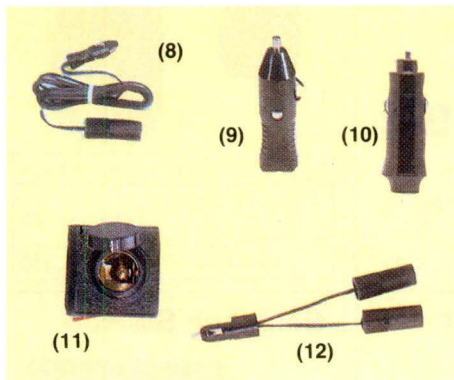
**18<sup>95</sup>**

- Installs Easily on Most Trucks or Vans
- Removes in Seconds

Ideal for truckers and company-car drivers who need a removable AM/FM antenna. Mounts quickly, securely on rain gutter. Wing screw for fast removal. Three-section whip extends to 75cm. Includes 1.9m cable, plug. 12-1324 ..... 18.95



## Cigarette Lighter Plugs, Cords and 12VDC Outlets



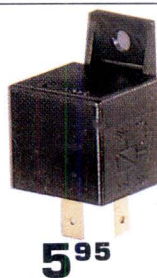
(8) **3 metre Extension Cord.** For powering accessories. 8 amps. 270-1536 ..... 12.95

(9) **Lighter Plug.** Connect accessories easily! Fits standard lighter socket. 274-331 ..... 2.69

(10) **Heavy-Duty Fused Lighter Plug.** Requires 3AG fuse up to 7 amps. Solder type. 274-335 ..... 3.69

(11) **Accessory Outlet.** For 12VDC equipment. Mounts in or under dash. 270-1539 ..... 12.95

(12) **2-Outlet Y-Adapter.** Power two 12VDC accessories from lighter. 8 amps. 270-1535 ..... 11.95



## Automotive Lighting Relay

NEW FOR 87

Compact, Easy to Mount

**5<sup>95</sup>**

Also switches amateur radio mobile power supplies and other high-current accessories. SPST contacts rated 30 amps at 12 VDC. 12 VDC coil. 275-226 ..... 5.95

## SPST Panel Switches



With Mounting Hardware

(13) **Dual Flip Switch/Light Panel.** Rated 16 amps at 12 VDC. Two 12V long-life lamps. 275-707 ..... 7.95

(14) **Lighted Rocker Switch Panel.** Rated 20 amps at 12 VDC. Quick-disconnect terminals. 275-704 ..... 5.95

(15) **Flip Switch and Red Light Panel.** 16-amp switch with 12 VDC long-life lamp. 275-703 ..... 4.99

(16) **Dual Switch Panel.** Two mounted flip switches rated 16 amps at 12 VDC. 275-702 ..... 4.59

(17) **Switch Bracket.** Underdash mounting of two switches with 7/16" dia. bushings. 275-705 ..... 1.39

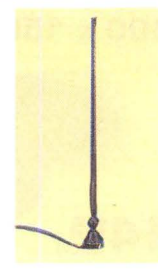
(18) **On/Off Switch Label Plates.** For toggles with 15/32" dia. bushings, key slot. 275-320 ..... Pkg. 6/99¢

## "Rubber Ducky" AM/FM Antenna

**14<sup>95</sup>**

Bends But Doesn't Break!

Vandal-proof! Get the signal-pulling power of full-length antennas in a sleek, European design. Mounts on roof, hood or fender. 1.2 metre cable. 41cm high. 12-1327 ..... 14.95



## Plug-In Car Lamp

**7<sup>95</sup>**



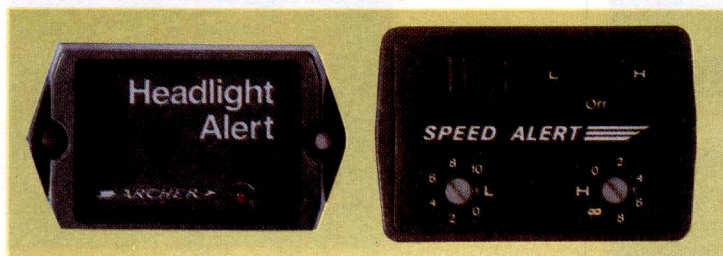
- Ideal Emergency Light — A Necessity in Every Vehicle!

**Magnet Utility Light.** Attaches to hood, trunk or auto body. Plugs into cigarette lighter. 3.7m retractable cord. 12VDC. 61-2502 ..... 7.95



# OUR ACCESSORIES MAKE INSTALLATION EASY

## Headlight and Speed Alerts



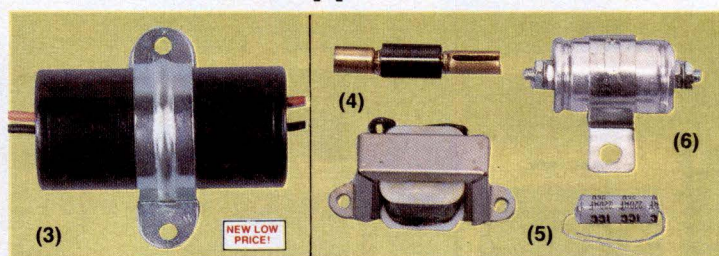
**Reminds You to Turn Off Your Car Headlights**

**Warns You When You Exceed the Speed Limit**

(1) **Headlight Alert.** Beeps for ten seconds when you leave lights on. LED flashes until lights are turned off. Installs easily in most cars. With mounting tape and screws. 270-110 ..... 9.95

(2) **Speed Alert.** Avoid costly speeding fines. Lights flash and beeper sounds when vehicle exceeds pre-set speed. You select the speed which the Speed Alert will monitor. Two settings: low 40-90 kmH for city driving, high 70-160 kmH for highway travelling. With easy mounting instructions. 270-9500 ..... 34.95

## Radio Noise Suppressors and Filters



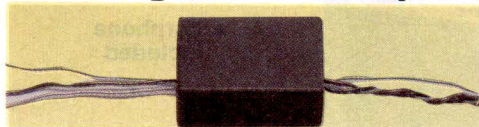
(3) **Deluxe 10-Amp Filter.** NEW LOW PRICE! Two L-C sections reduce ignition/alternator noise in car stereos, high-power EQ/boosters, CB and Ham radios. Was \$32.95 in 1986 catalogue. 270-051 ..... 27.95  
**Deluxe 5-Amp.** Was \$24.95 in 1986 Catalogue. 270-050 ..... 19.95

(4) **Resistive Filter.** Cuts spark plug noise that interferes with radio reception. Installs in distributor. 270-012 ..... 2.69

(5) **Heavy-Duty Noise Eliminator Kit.** Everything you need to reduce radio interference. Includes choke, capacitor, instructions. 270-030 ..... 7.95

(6) **Feedthrough Filter Capacitor.** Installs inline. Especially useful against stubborn noise problems caused by wipers, fan motors and DC generators. Rated 0.5  $\mu$ F, 40 amps, 60 WVDC. 272-1085 ..... 9.95

## Floating Ground Adapter



**NEW FOR 87** **11<sup>95</sup>**

Use Tandy Boosters With "Factory" Autosound

Upgrade your low-power "factory" stereo with a booster or EQ/booster! Adapts transformerless-output and floating-ground car stereos for use with common-ground input electronics or speaker systems. With instructions. 270-053 ..... 11.95

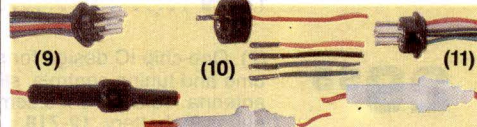
## Electrical Testers



(7) **6-12 Volt Tester Light.** Finds hot wires, indicates blown fuses quickly and easily. 14cm probe, 80cm detachable lead, ground clip. 272-203 ... 2.59

(8) **Electrical System Analyzer.** Spot problems before you're stranded! LEDs show condition of battery, alternator, regulator. Plugs into lighter socket. 22-1635 ..... 11.95

## Car Stereo Cable Sets



**Include Fuse and Inline Holder**

(9) **Cable Assembly.** Five-pin Tandy standard plug with power and four 5.5m color-coded speaker leads. 270-014 ..... 9.95

(10) **Universal.** Adjustable to fit 4 or 5-pin sockets. 30cm color-coded leads. 270-017 ..... 3.99

(11) **Standard.** 5-pin plug fits Tandy, other brands. 30cm leads. 270-041 ..... 3.69

## Voltage Inverter

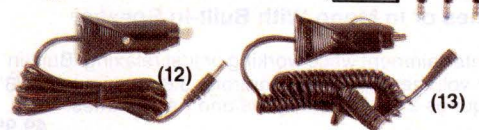


**69<sup>95</sup>**

Use standard 12 VDC negative ground equipment in vehicles wired for 6-volt neg. ground or 12-volt positive ground systems. Ideal for autosound, CB and Ham radios. Rated 3 amps, fused. 22-129 .. 69.95

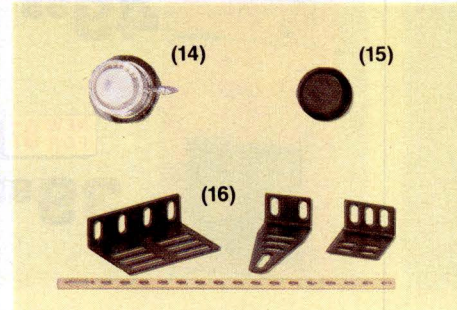
## Lighter Cord Sets

**NEW FOR 87**



(12) **Standard Power Cord.** 2.4m Barrel-type connector has positive tip, negative sleeve. Fused. 270-1533 .. 8.95  
**(13) NEW! Universal.** Includes lighter plug, 2.4m coiled cord and three adapter plugs for easy connection to most 12VDC portable TVs, stereos, recorders and radar detectors. Fuse protected. 270-1528 ..... 18.95

## Knobs and Brackets

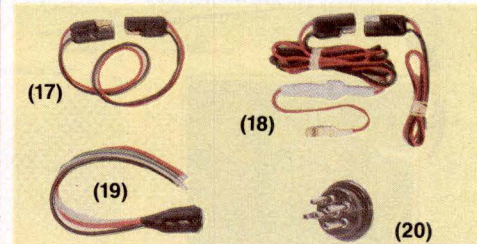


(14) **Autosound Knobs.** Include two inner and two outer knobs. Fit "D" and split shafts. Import. Classy European style with black finish. 274-425 ..... Set/4.79

(15) **Low-Profile.** Chromed finish adds a sporty modern look. 274-427 ..... Set/7.95

(16) **Universal Bracket Set.** Three different sets to fit most equipment. With back support/ground strap, hardware. 270-023 ..... 5.95

## Automotive Connectors



(17) **2-Conductor Quick-Disconnect Cable.** Heavy-duty polarized contacts. 30cm loop of wire with one male, one female connector. Color coded. 270-026 ..... 2.59

(18) **1.2m Polarized, Fused DC Power Cable.** For autosound, CB, scanners, radar detectors. 270-025 ..... 4.99

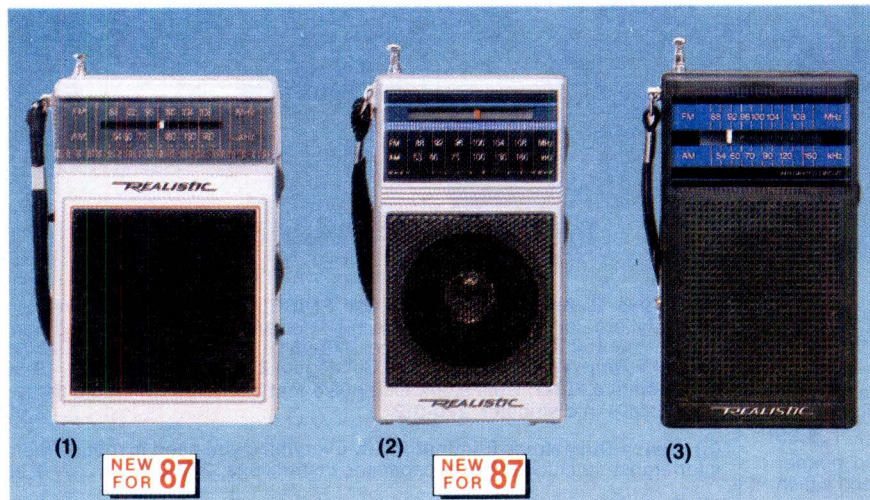
(19) **5-Pin Inline Socket With 18cm Leads.** Mates with standard 5-pin plug and many speaker harnesses. 274-1215 ..... 2.69

(20) **5-Pin Speaker/Power Plugs.** Fit Realistic® and many other brands of autosound equipment and accessories. 274-1210 ..... Pkg. of 2/1.99



# "ON-THE-GO" LISTENING — PORTABLE RADIOS

## Value in AM/FM Pocket Portables



**34<sup>95</sup>**

(1) Our finest pocket radio has stylish aluminum trim so it looks as good as it sounds. Built-in AFC-FM, high/low tone switch, rotary tuning and volume controls, 5.7cm speaker. Telescoping FM antenna. 13.2 x 8.8 x 3.2cm. For earphone for private listening. Requires 9V battery. 12-719 ..... **34.95**

**29<sup>95</sup>**

(2) One-chip IC design for super sound! Built-in AFC-FM, rotary volume and tuning controls, slide-rule dial, 5.7cm speaker. Telescoping antenna. 13.5 x 7.5 x 3.2cm. With earphone for private listening. Requires 9V battery. 12-718 ..... **29.95**

**24<sup>95</sup>**

(3) Built-in AFC-FM, side-mounted rotary controls for one-hand operation, slide-rule dial, 5.7cm speaker. Telescoping antenna. 13.5 x 5.8 x 3cm. With earphone. Requires 9V battery. 12-636 ..... **24.95**

## Mity-Thin® Personal FM Receiver

**49<sup>95</sup>**

The Size  
And Thickness  
Of a  
Credit Card!



Only 0.075" (1.9mm) thick! Weighs less than an ounce! Our smallest radio ever, yet it tunes FM with amazing signal-pulling power for earphone listening anywhere. 5.23cmW x 8.65cmH. With earphone, battery. 12-121 ..... **49.95**

## Portable Radio for Fun-on-the-Run



**19<sup>95</sup>**

■ Earphone  
Included

**Slim-Line AM.** Earphone jack, wrist strap. 13.5 x 9.5 x 2.7cm. Requires four "AA" batteries. 12-173 ..... **19.95**

## AM/FM Travel Clock Radio



**59<sup>95</sup>**

- Accurate Quartz Analog Clock
- AFC-FM Prevents Drift
- Compact Size for Travel

**Chronomatic®-242.** A traveling entertainer that's a great backup for motel wakeup service. Wakes you on time every time to AM, FM or beeper. Slide-rule dial for precise tuning. Earphone jack for private late-night listening. Easily fits in an attache case. 18.4 x 8.4 x 3.6cm. Requires 4 "AA" batteries. 12-1549 ..... **59.95**

## AM/FM Stereo With Built-In Speakers



**49<sup>95</sup>**

NEW FOR 87

**39<sup>95</sup>**

Listen in Stereo With Headphones or in Mono With Built-In Speaker

**Pocket-Size STEREO-MATE.** Great for entertainment while working or just relaxing. Built-in AFC on FM, LED stereo indicator, rotary volume and tuning controls, 3.8cm speaker, 1/8" headphone jack. 10.7 x 6.3 x 1.9cm. Requires 2 "AAA" batteries and headphones. 12-122 ..... **49.95**

**Personal-Size STEREO-MATE®.** The big sound of stereo in an easy-to-take-along size. AFC-FM, slide-rule tuning for easy station selection, LED FM stereo indicator, built-in telescoping antennas. Dual rotary volume controls and 7.6cm speaker. 1/8" headphone jack. 10.7 x 18.1 x 2.8cm. Requires 3 "AA" batteries or DC adapter, and headphones. 12-131 . . . **39.95**  
DC Adapter. 273-1454 ..... **9.95**



# STEREO-MATE® HEADSETS AND RECEIVERS

## AM/FM Mono Headset Radio



- Lightweight Construction
- Adjustable to Fit Everyone

Low in price, but gives great AM/FM sound. Padded earcushions seal out external noise and make the unit so comfortable as well. Side-mounted controls for easy access. Antenna built into headband. Requires 9V battery.

12-198 ..... 44.95

## Micro FM Stereo Headset



- Folds to Fit in Pocket or Purse
- Weighs Only 66g With Batteries

Hands-free listening with dual-speaker stereo sound. Built-in FM-AFC and antenna. Side-mounted rotary volume control. Get easy and precise station selection. Two-way folding adjustable headband. Jack for external FM antenna. Requires 2 "AAA" batteries.

12-129 ..... 59.95

## AM/FM Stereo Headset Radio



- Lightweight and Comfortable
- Soft, Foam-Padded Ear Cushions

Great personal listening! Weighs only 176g. FM-AFC for drift-free listening, easy-to-use side-mounted tuning, volume and balance controls. Built-in AM loopstick antenna and FM wire loop antenna. Requires 2 "AAA" batteries.

12-125 ..... 64.95

## AM/FM Stereo Micro Headset



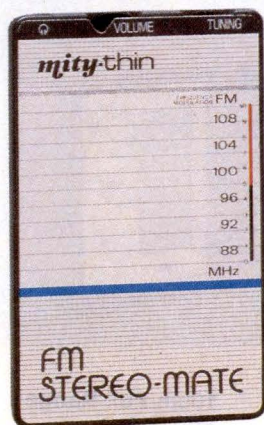
- Rotary Volume and Tone Controls
- Weighs Only 64g With Battery

Ideal for listening to the play-by-play at the game or relaxing at home. Built-in AFC-FM, rotary balance control, sliding AM/FM selector. Adjustable headband with foam earcushions. Built-in antenna. Requires "AAA" battery.

12-128 ..... 69.95

## Realistic® Pocket-Size Personal Stereo Receivers

### Credit-Card Size FM Stereo Receiver



NEW FOR 87

89.95

Battery Charger Included

**Built-In Long-Life Rechargeable Nickel-Cadmium Batteries**

**Mity-Thin STEREO-MATE.** Big stereo sound in a little package — only 3mm thin! So small you hardly know it's in your pocket! And you can recharge the batteries over and over again. Built-in AFC-FM. Requires 1/8"-plug headphones. 8.6 x 5.9 x 0.3cm. 12-130 ..... 89.95

### Our AM/FM STEREO-MATE Personal Receivers



#### Ultra-Thin Design Makes Them Ultra-Portable

- (1) A value-priced personal listening package. Super-thin receiver complete with lightweight stereo headphones. Handy left/right slide volume controls. FM stereo LED. Only 10.1 x 6.3 x 1.2cm. Requires two "AAA" batteries. 12-123 ..... 39.95
- (2) AM/FM Stereo. Large rotary tuning control. 10 x 6.3 x 1.4cm. With carry pouch. Requires 2 "AAA" cells and headphones. 12-119 ..... 44.95
- (3) Super performance! Built-in AFC. Removable belt clip. Stereo/mono switch. 10.4 x 5.7 x 1.4cm. Requires two "AAA" batteries and headphones. 12-120 ..... 49.95
- (4) Built-in 3-band equalizer to customize the sound to your liking. FM stereo LED. Belt clip. 6 x 10.8 x 1.6cm. Requires two "AAA" batteries and headphones. 12-126 ..... 59.95

#### Stereo Headphones

See pages 26-27 for our complete selection.

Low As 8.95





# AM/FM RADIOS FOR ENTERTAINMENT TO GO

## Our Best High-Performance Portable with Long Range AM



**139<sup>95</sup>**

**Full 1-Watt Power**  
Tuned RF Amplifier Pulls In  
Weak or Distant Stations

Big 133mm speaker and 1-watt power for remarkable sound! Separate bass and treble controls, loudness switch for enhanced bass at low volume, AFC-FM. Fold-down handle. 29.5 x 31 x 10cm. With earphone. 240V AC (or 6 "D" batteries, extra). **12-650 . . . . . 139.95**

## High-Performance Portable



**79<sup>95</sup>**

**Great Sound On-The-Go**  
**Feature Packed**

AFC keeps strong FM stations locked in, switches "out" to receive weak stations adjacent to strong ones. Has 100mm speaker, tone control, fold-down handle, earphone jack. 18.4 x 26.6 x 7.3cm. 240V AC (or 4 "C" batteries extra). **12-625 . . . . . 79.95**

## Full Size, Budget Price.



**49<sup>95</sup>**

**Excellent Sound Quality**

For the money, you won't find a better full-size portable than this one! Features high/low tone switch, AFC on FM, and rich-sounding 3" speaker. Telescoping FM antenna. Earphone included. 18.2 x 22.5 x 6.3cm. 240V AC (or 4 "C" batteries, extra). **12-716 . . . . . 49.95**

## Deluxe Full-Size



**59<sup>95</sup>**

**Built-In AFC Cuts FM Drift**

Wide-range 88mm speaker, hi/low tone switch. Swiveling/telescoping FM antenna. Earphone jack. 20.9 x 23.9 x 6.9cm. 240V AC (or 4 "C" batteries, extra). **12-717 . . . . . 59.95**

## Table Radio Entertainment for Any Room



**79<sup>95</sup>**

**10cm Full Range Speaker**

**Realistic MTA-8.** Compact AM/FM Radio. It "thinks" it's hi-fi with its 10cm speaker, tone control, lighted dial and terminals for external FM antenna. IC audio output stage for superb sound. Walnut vinyl. 15.2 x 27.5 x 10cm. 240V AC. **12-689 . . . . . 79.95**



# HEY KIDS! PERSONAL RADIOS, JUST FOR FUN

## Mickey Mouse® Radio



14<sup>95</sup>

©Walt Disney Productions

### Kids Will Love to Take Him Along

This friendly portable brightens up every one's AM listening. Rotate Mickey's "ears" to tune stations and adjust volume. With handy carrying strap and beltclip. Requires 9V battery. 12-907 ..... 14.95

## Bike Radio With Horn



76mm Reflector  
For Riding Safety

Archer Road Patrol®. Mounts on most handlebars. AM radio removes easily, bracket stays on bike. 63mm speaker. 8.9 x 13.3 x 9.8cm. Requires 3 "C" batteries. 12-197 ..... 34.95



## Pizza Hut® Radio With Headphones

24<sup>95</sup> NEW FOR 87



One Small  
Portable to Go

Mmmm! Sounds delicious! Get a slice of your favorite music from the personal portable that delivers. Includes feather-light pan pizza headphones with adjustable headband. Rotary volume and AM tuning controls. The only extra topping required is a 9V battery. 12-905 ..... 24.95

©1986 Pizza Hut, Inc.

Strawberry

Blackberry

Blueberry

## Our "Tasteful" Flavoradios™



NEW FOR 87

12<sup>95</sup> Each

In Three Delicious  
Flavors

Kids will love these bright and colorful pocket AM radios. Side-mounted rotary volume and tuning controls. Sturdy molded cases withstand rough handling. Built-in speaker plus earphone for private or late-night listening. Each requires one 9V battery.

Strawberry, 12-203. Blackberry, 12-201. Blueberry, 12-202. .... Each 12.95

## Mini Personal Portable



19<sup>95</sup>

Great for  
All Ages



With Headphones

AM receiver fits in shirt pocket or clips to belt. Side-mounted rotary tuning and volume control for one-hand operation. Includes lightweight headphones. Requires 9V battery.

12-106 ..... 19.95

## Our Plush, Pettable AM Animal Radios

NEW FOR 87  
Boxing™ Kangaroo

NEW FOR 87  
Raccoon

Grey Cuddly Cat

NEW FOR 87  
Sad Puppy

Snoopy



Low As 24<sup>95</sup>

## Cute Pound Puppies® Cuddly Radio

NEW FOR 87

24<sup>95</sup>

"Doggone"  
Good Listening  
From Man's  
Best Friend

©Tonka Corporation.



The most lovable, huggable AM radio any child will ever snuggle up to. Internal speaker (a woofer, of course), external volume/tuning controls. Adopt one! Requires 9V battery. 12-906 ..... 24.95

Official product from  
America's Cup Defence 1987 Ltd.

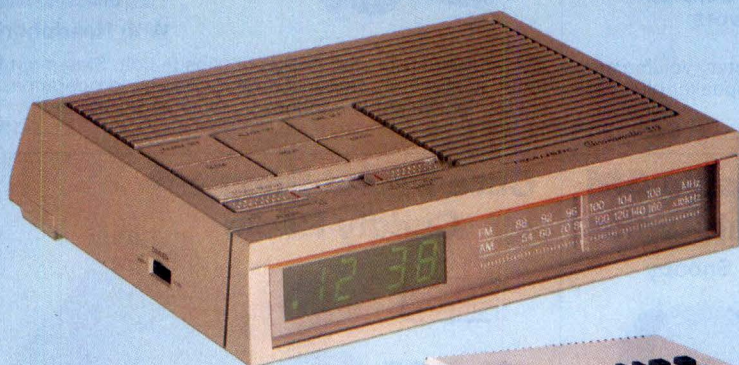
Kids just love 'em.  
External controls.  
Each requires 9V battery.

Description	Cat. No.	Each	Description	Cat. No.	Each
Raccoon	12-971	24.95	Snoopy	12-991	24.95
Boxing Kangaroo	12-9700	34.95	Cuddly Cat	12-983	24.95
			Sad Puppy	12-988	26.95

Prices Apply at All Tandy Stores and Participating Dealers



# AM/FM CLOCK RADIOS — OUR EASIEST TO USE EVER



## Budget-Priced AM/FM Clock Radio with Snooze Function

**39<sup>95</sup>**

**NEW FOR 87**

- With Sleep Function
- Adjustable Hi/Lo Dimmer Control

A reliable model with features of other higher-priced units. Hours/minutes settings makes it easier. Wake to alarm or your favourite radio sounds. Snooze switch for those few extra winks. LED lighted tuning. AC operation. 9V battery backup required. 12-9603 ..... 39.95

## AM/FM LED Clock Radio

**59<sup>95</sup>**

- Fast/Slow Time Set Controls
- 59-Minute Sleep Function
- Battery Sentinel/ Backup

**Chronomatic-238.** Built for high accuracy and long-term dependability to wake you on time, every time. Features a top-mounted snooze bar for catching a few extra winks after the radio/buzzer alarm has sounded, LED p.m. and wake indicators, plus sleep control for dozing off to AM or FM. Radio has 7.6cm speaker, slide-rule tuning dial, rotary volume and tuning controls. 1.5cm display. 6.3 x 21.9 x 12.7cm. 12-1545 ..... 59.95

## Versatile Quartz Travel AM/FM Clock Radio

**59<sup>95</sup>**

- Accurate Analog Clock
- Built-in AFC on FM
- Wake to Radio or "Beeper"

**Chronomatic-242.** Compact — packs easily for trips, and the alarm is great as a backup for wakeup calls and helps remind you of appointments. Accurate slide-rule tuning, 5.7cm speaker, plus ear-phone jack for private or late-night listening. 18.4 x 8.4 x 3.6cm. With wrist strap. Requires four "AA" batteries. 12-1549 ... 59.95

## Slimline AM/FM Clock Radio with Soft-Touch Controls

Was 74.95 in '86 Cat.

**69<sup>95</sup>**

**NEW LOW PRICE!**

- Easy-to-Use Time Set Controls
- Touch Sensitive Snooze Bar
- Battery Backup

**Realistic Chronomatic-318.** An unbeatable combination of hi-tech controls and attractive styling! Soft-touch buttons for simple alarm set/alarm off/time set and sleep functions. Snooze bar works with the slightest touch — no buttons to press. LED display with dimmer. Volume control, Slide-rule tuner. Battery backup. 5 x 23 x 17cm. 12-9600 ..... 69.95

## AM/FM Clock Radio In a Compact Cube

**74<sup>95</sup>**

- 11cm Cube Fits Almost Anywhere
- Battery Sentinel/Backup

**Chronomatic-241.** A real space-saver with distinctive styling, yet with features usually found only in bigger models. Hi/lo LED display dimmer, p.m. indicator, 1-hour/59-minute sleep and snooze functions, easy-to-use one-button alarm reset. Radio has 6.3cm speaker, slide-rule tuning dial, rotary volume and tuning controls. 1.5cm display. 240VAC. 12-1548 ..... 74.95



# EXTRA-FEATURE AM/FM CLOCK RADIOS

## AM/FM Clock Radio With Cassette Player & Snooze Function

NEW  
FOR 87

69<sup>95</sup>

- Modern, Compact Styling
- Large 1.5cm LED Display
- Wake to Radio/Cassette
- Battery Backup

(1) A neat, all-in-one unit that looks as fashionable as it's priced. Tape player features end-of-tape auto-stop. Go to sleep with the radio or cassette with the sleep function. Snooze function for those few extra winks. 240V AC. 5.7 x 14.8 x 22.2cm. 12-9298 ..... 69.95

## AM/FM Clock Radio With Easy-to-Use Controls

89<sup>95</sup>

- Simplified Direct Input Controls
- Green Fluorescent Display
- Sensor-Type Snooze Control
- Battery Backup/Sentinel

(2) Chronomatic-232. Our most convenient clock radio ever! Fluorescent display dims automatically when light changes. 1-hour/59-minute sleep control. 7.6cm speaker, earphone jack. 1.5cm display. 5.7 x 24.1 x 13.9cm. 240V AC. 12-1539 ..... 89.95

## AM/FM Green LED Display Clock Radio with Cassette Player

NEW  
FOR 87

89<sup>95</sup>

- High-quality Sound Response
- Large 1.5cm Green Display
- Wake to Radio/Cassette/Buzzer
- Battery Backup

(3) Snooze control gives an extra ten minutes sleep time. With earphone jack and sleep function to sleep to radio or cassette. Cassette has fast forward and auto stop at end of tape. Measures 6 x 15.5 x 25.5cm. 240V AC. 12-9602 ..... 89.95

## AM/FM Stereo Clock Radio With Dual Alarm System

NEW  
FOR 87

99<sup>95</sup>

- "On-top" 7.6cm Speakers
- Stereo headphone Jack
- Easy-to-Use Time Settings
- Battery Backup/Sentinel

(4) Chronomatic-251. Start the day with AM/FM stereo radio or buzzer alarm. Features "his and hers" alarms, Fast/slow and forward reverse controls make time setting quick. With snooze and sleep controls. 240V AC. 6.7 x 20 x 8.9cm. 12-1559 ..... 99.95

## AM/FM 'Stereo-Wide' Clock Radio With Cassette Recorder

189<sup>95</sup>

- Stereo-Wide Expands Stereo Image
- Wake to Your Choice of Stereo Cassette AM/FM Stereo Radio or Buzzer
- Battery Backup/Sentinel

(5) Chronosette-237. Twin 10cm speakers deliver outstanding stereo sound. Cassette records off-air and has auto-stop, pause, counter and auto-level recording. Easy time setting functions. Two 3.5mm mike jacks. 15 x 32 x 16.5cm. 240V AC. 12-1543 ..... 189.95

(1)



(2)



(3)



(4)



(5)



\*Battery Backup System Requires 9V Battery #23-583, not Included



# ACTION-CATCHING PORTABLE RADIOS

## Portable 9-Band World Communications Receiver

- Hear It All—FM, AM, Six Exciting Shortwave Bands And International Longwave
- Built-In AFC for Drift-Free FM
- Pushbutton Band Selectors
- Small Enough to Take Anywhere

**159<sup>95</sup>**

**Realistic DX-360.** The ideal world traveler's radio! Take it with you to hear international news, views and entertainment on the BBC, Voice of America, Radio Japan and many others, plus standard AM and FM. International broadcast bands are highlighted on the dial for easy tuning. Features slide-action volume, tone and shortwave band selector controls. Tuning and low-battery LED indicators. Built-in speaker, 1/8" earphone jack. Telescoping antenna for FM and SW reception, loopstick for AM and longwave. Bands: SW1 4.5-5.5 MHz, SW2 5.9-7.5 MHz, SW3 8.2-10 MHz, SW4 11.4-14 MHz, SW5 14.6-18.2 MHz, SW6 21-25 MHz, LW 150-260 kHz. 11.4 x 26 x 4.4cm. Requires 4 "AA" batteries or AC adapter.

20-208 ..... 159.95



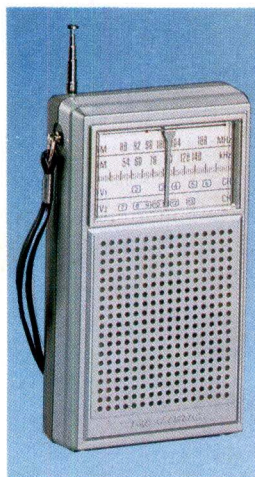
## AM/FM/VHF TV Sound Radio

NEW FOR 87

**49<sup>95</sup>**

Don't miss your favourite program when your away from your TV

**Realistic® Pocket Porta-Vision with VHF-TV sound.** Ceramic filter cuts interference on FM and TV CHs 2 to 11. 5.6cm speaker, earphone. 12-613 ..... 49.95



## Police, Air, SW, AM, FM

**189<sup>95</sup>**

VHF-Hi/Lo, 6-18 MHz  
Shortwave, UHF, AM, FM



**Patrolman® SW-60.** Hear police, aircraft, foreign stations, and more on six exciting bands. All band fine-tuning, AC-to-battery automatic switching, squelch, 10cm speaker, 1/4" headphone jack. Telescoping antenna. 26.6 x 30.4 x 10cm. AC operation or four "C" batteries (not included). 12-779 ..... 189.95

## Pocket AM/VHF-Air

**34<sup>95</sup>**

Take It Along to Air Shows



**Jetstream®** Hear aviation transmissions on the 108-135 MHz band or listen to AM stations. 6.35cm speaker. With earphone. 12.1 x 7.3 x 4.1cm. Requires 9V battery. 12-601 ..... 34.95



## SW Antenna Kit



**22<sup>95</sup>**

22-metre copper wire, insulators lead-in, standoffs, window feed thru. 278-758 ..... 22.95

## Lightweight Mono Headset

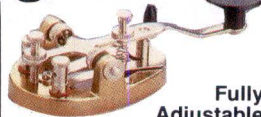
**16<sup>95</sup>**

Has adjustable headband and foam earcushions 1/4" plug. 4-16 ohms. 20-210 ..... 16.95



## Morse Code Key

**9<sup>95</sup>**

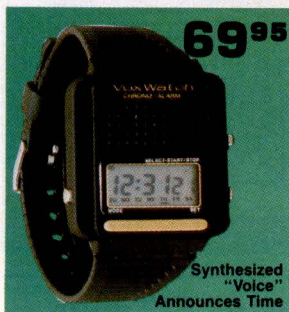


Fully Adjustable  
Adjustable tension and contact spacing. Ball bearing pivots. 20-1084 ..... 9.95



# MICRONTA® —PRECISION'S WATCHWORD

## VoxWatch™ "Tells" Time



VoxWatch "tells" you the time or the alarm-set time. Alarm announces time and plays wake-up melody. Stopwatch announces time every 5 minutes. LCD display shows time, date, day of week. With 23-103 batteries. 63-5040 ..... 69.95

## Analog/Digital Chronowatch



Fashionable analog dial with hour/minute/second hands plus the precision of an LCD quartz chronograph! Water-resistant to 30-metre. LCD calendar mode. With 23-113 battery. 63-5030 ..... 54.95

## Accurate LCD Quartz Wristwatches

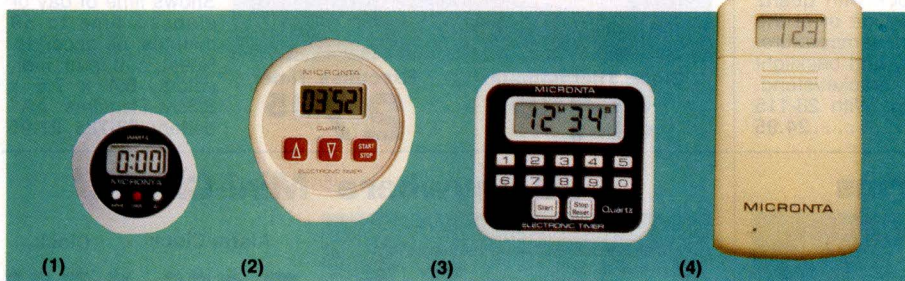


41.95 NEW FOR 87 34.95 24.95 NEW LOW PRICE! 29.95 17.95

**Phone Directory/Calculator Watch.** Store up to 40 phone numbers and recall on scrolling alphanumeric LCD simply by keying in name or initials. Automatic calendar adjusts for 28, 30 and 31-day months. Four-function calculator with decimal points. 12/24 hour display, 24-hour alarm. With 23-161 battery. 63-5060 ..... 41.95  
**Water-Resistant Analog.** Quartz accuracy and traditional styling. Water resistant to 150 ft. Sweep second hand. Durable "sports" case and band. With 23-113 battery. 63-5065 ..... 34.95

**Calculator/Alarm.** 24-hour alarm, 4-function 8-digit calculator, auto-calendar. With 23-117 battery. Was \$32.95 in '86 Catalogue. 61-5059 ..... 24.95  
**Chronoalarm.** Displays month/date/day, time or stopwatch with 1/100 sec. lap and total times. 24-hr. alarm, selectable hourly chime. Auto-calendar. With 23-102 battery. Was \$32.95 in 1986 Catalogue. 63-5057 ..... 29.95  
**Water Resistant Watch.** Withstands 30m depth. 24-hour alarm with hourly chime. Automatic calendar. With 23-102 battery. 63-5058 ..... 17.95

## Handy Countdown Timers



6.99 19.95 27.95 24.95

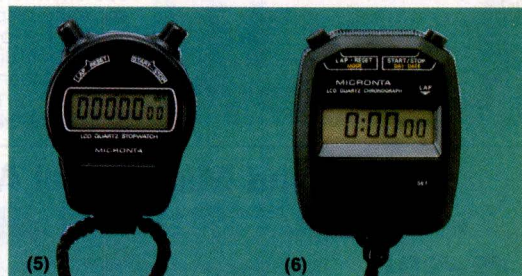
(1) **Stick-On Calendar Clock With Timer.** Measures elapsed time to 15 minutes. Calendar clock displays month/day or hour/minute. With 23-115 battery, mounting tape. 63-840 ..... 6.99

(2) **Pocket/Magnet-Mount Timer.** Maximum of 99 minutes, 59 seconds. Beeps at zero. Pocket clip or magnetic mounting. With 23-115 battery. 63-879 ..... 19.95

(3) **Pocket Timer.** Times up to 99 minutes, 59 seconds. Beeps when counter reaches zero. Fold-down stand and pocket clip. With 23-115 battery. 63-880 ..... 27.95

(4) **24-Hour Pillbox Timer.** Reminds you to take your medication. Counts down from up to 23 hours, 59 minutes in 1 minute increments. Beeps at zero. Sliding top covers controls and pillbox. With 23-115 battery. 63-881 ..... 24.95

## LCD Quartz Stop Watches



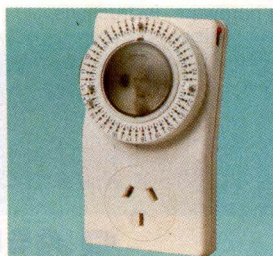
34.95 39.95

Both Include Neck Cord, Manual And 23-115 Batteries

(5) **Professional.** Audibly indicates start/stop/lap/reset. Times to 9 hours, 59 minutes, 59 and 99/100 second. 63-5010 ..... 34.95

(6) **Chronograph.** Times to 59 minutes, 59 and 99/100-second lap/total time. Reads hour/minute/second or month/date/day. 63-5009 ..... 39.95

## 24-Hour Timer



Turn appliances or lights on and off in a 24-hour period. Place "on" and "off" pins in dial. Has indicator light, plugs into AC outlet. Half hour minimum time. Manual override switch. Rated 10 amp. 61-9706 ..... 21.95

## 7-Day Timer



Ideal for security, turns lights or appliances on/off. Dial shows days of the week. Includes 14 "on/off" pins, indicator light. 2-Hour minimum time with manual on/off switch. Rated 10 amp. 61-9707 ..... 27.95

## LCD Digital Watch Pens



(7) **Watch Pen.** Uses standard "Parker-size" refill. Displays hours/minutes seconds with day/date available at the press of a button. Accurate to one minute a month. 63-5075 ..... 9.95

(8) **Alarm Watch Pen.** A quality writing instrument with fully featured clock and alarm. Displays hours/minutes/seconds. Day/date and 24-hour alarm with hourly chime. Battery included. 63-5076 ..... 14.95

There's a Tandy Store or Dealer Near You — Wherever You Are



# MICRONTA® CLOCKS FOR VALUE AND ACCURACY

## LCD Table Alarm Clock



NEW  
FOR 87

**27<sup>95</sup>**

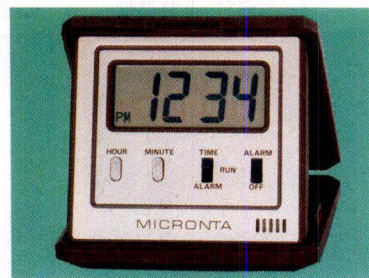
Battery-powered clock features large 1.8cm display. Snooze control, p.m. indicator, easy-to-operate time-set control, backlight button and 24-hour alarm. 10 x 6.7 x 4.6cm. Requires "AA" battery. 63-745 ..... 27.95

## LCD Folding Travel Alarm

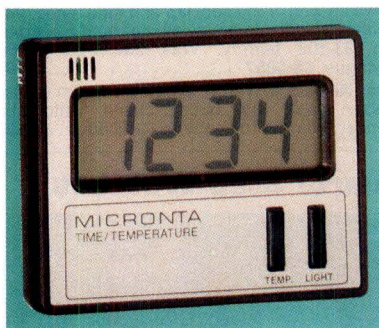
**29<sup>95</sup>**

- Fits Pocket, Purse Or Briefcase
- 1.5cm LCD Display

A.m., p.m. and "alarm" indicators. Backlight button for night viewing. Folds to 7.6 x 7.9 x 0.7cm. With 23-115 battery. 63-705 .... 29.95



## LCD Clock/Thermometer



**24<sup>95</sup>**

Displays Indoor Temperature In C° Or F°

Use-anywhere clock with quartz accuracy displays time or at the touch of a button, temperature. Has 1.3cm display and backlight button. Mounting bracket/stand. 4.8 x 6.2 x 1.3cm. With 23-115 battery. 63-841 ..... 24.95

## LCD Clock/Thermometer & Timer



Clock Thermometer

**31<sup>95</sup>**

Executive Timer

**27<sup>95</sup>**

Shows time in 12 or 24-hour mode, temperature in Fahrenheit or Centigrade. Alarm, snooze. 6.4 x 7.6 x 8.3cm. Requires 2 "AA" batteries. 63-730 ..... 31.95

Shows time of day or elapsed time to 59 minutes, 59 seconds. Reset, a.m./p.m. indicators. 6.4 x 7.6 x 8.3cm. Requires "AA" battery. 63-735, 27.95

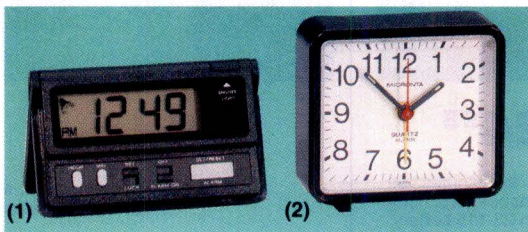
## Micro and Mini Travel Alarms

Micro

**24<sup>95</sup>**

Mini

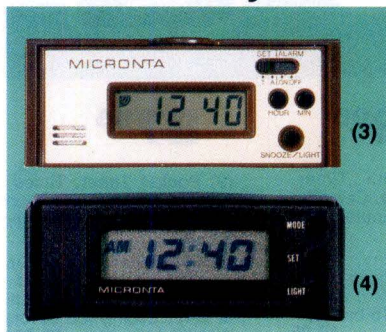
**19<sup>95</sup>**



(1) Micro. LCD display, backlight button, 24-hour alarm, alarm-on indicator, snooze control. 7.6 x 4.4 x 0.6cm. With 23-115 battery. 63-706 ..... 24.95

(2) Mini. Analog timekeeper with luminous hands, sweep second hand, carry pouch. 5.7 x 5.7 x 2.9cm. Requires "AA" battery. 63-716 ..... 19.95

## LCD Anywhere® Mini-Clocks



Alarm Clock

Clock

**24<sup>95</sup> 19<sup>95</sup>**

(3) Alarm Clock. 12/24-hour backlight display, snooze button. 4.1 x 8.3 x 1.3cm. With 23-009 battery. 63-838 ..... 24.95

(4) Clock. Stick-on bracket fastens to anything. 8.1 x 3 x 1.3cm. With 23-115 battery. 63-836 ..... 19.95

## Accurate Quartz Clocks for Vehicles

All vehicle clocks blank when ignition is off, dim for night driving. With mounting hardware, instructions.



**54<sup>95</sup>**

**Fluorescent Car Clock/Tachometer.** Also has built-in headlight warning function. 4.8 x 9.2 x 3.8cm. For 12VDC negative ground only. 63-837 ..... 54.95



**44<sup>95</sup>**

**Fluorescent.** 24-hour alarm. Fast/slow setting controls. 4.8 x 10.2 x 4.1cm. 12VDC positive/negative ground. With mounting hardware. 63-834 ..... 44.95



**34<sup>95</sup>**

**LED mini clock** fits almost anywhere. Brightness control 3.8 x 8.9 x 3.5cm. 12VDC positive/negative ground. With mounting hardware. 63-833 ..... 34.95

Shop Tandy for Micronta® Styled and Convenient Timepieces.

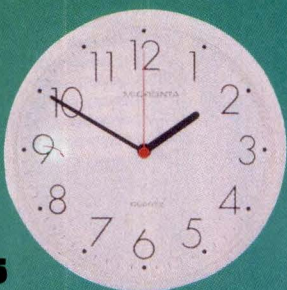


# STYLED CLOCKS FOR ALL OCCASIONS

## Stylish Wall Clocks

(1)

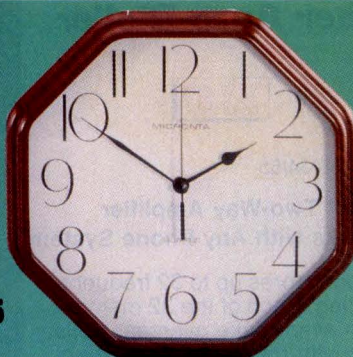
NEW FOR 87



19<sup>95</sup>

(2)

NEW FOR 87



39<sup>95</sup>

(1) Battery powered — no dangling cords! Quartz accuracy. Large numerals can be seen from across a room. Sweep second hand. Moulded housing. 23cm dia. x 3.8cm. Requires "AA" battery. 63-806 ..... 19.95

(2) Battery-powered quartz clock with big 28cm face for easy readability. Distinctive styling, extra-large numerals, "click-stop" second hand and wood-grain moulded housing. 4.1cm deep. Requires "AA" battery. 63-807 .. 39.95

## Giant LED Wall Clock

NEW FOR 87

44<sup>95</sup>

AC-powered clock with giant 4.6cm LED display has switchable 12/24-hour mode. Built-in stand for use on table or desk, too. Brushed chrome finish. Battery Backup/Sentinel. 1.8m power cord. 24 x 16.5 x 4.4cm. AC operation. Backup requires 9V battery. 63-805 ... 44.95

## Jumbo LED Digital Clock

54<sup>95</sup>

Oversize display makes this clock one of our most popular. 12/24-hour display, snooze, 24-hour alarm, hi/low brightness. Battery Backup/Sentinel. 10.2 x 20.3 x 9.2cm. AC operation. 63-765 ..... 54.95



1.8" Display

## Uniquely Styled LED Digital Clock

NEW FOR 87

32<sup>95</sup>

Looks Great on Night Table, Desk, or Counter Top

Blends in with your modern lifestyle. Big 2.3cm display has hi/low dimmer and can be seen from across the room. Has a snooze bar, p.m. indicator and 24-hour alarm. Battery Backup/Sentinel. 9.5 x 12.4 x 12cm. AC operation. 63-756 ..... 32.95

## Clock With Blue Fluorescent Display

39<sup>95</sup>

NEW FOR 87

- Simple Time Setting
- Alarm On Indicator

This space-saver has a bright 1.5cm, selectable 12 or 24-hour display that's easy to see, even in bright light. Snooze control, 24-hour alarm-on and a.m./p.m. indicators. 5.4 x 13.9 x 7.6cm. Battery Backup/Sentinel. AC operation. 63-753 ..... 39.95



## LED Digital Alarm Clock

NEW FOR 87

19<sup>95</sup>

Our Lowest Priced Digital

Bright 1.5cm display features p.m. and alarm indicators. Has snooze bar for catching extra winks in the morning. Battery Backup/Sentinel. 5 x 14.2 x 7.9cm. AC operation. 63-754 ..... 19.95

## Battery Backup/Sentinel® Featured in All LED AC Clocks



Battery Backup keeps clock running, without display, for up to eight hours and alarm for 10 minutes.



Front-panel red LED Battery sentinel warns you if backup battery is weak or missing.

Backup requires 9V battery.

## 12/24-Hour LED Digital

NEW FOR 87

29<sup>95</sup>

Soft or Loud Alarm Control

You can choose between 12 or 12-hour readouts. Has large 1.8cm display for easy viewing any time and snooze bar. Battery Backup/Sentinel. 5 x 13.9 x 8.3cm. AC operation. 63-755 ..... 29.95



All LED AC Clocks Above Feature Backup and Battery Sentinel System (Back-up Requires 9V Battery)



# FEATURE-PACKED HOME/OFFICE PHONES

## Telephone with 32-Number Auto-Dialler

**249<sup>95</sup>**

NEW  
FOR 87

Telecom Authorisation # C85/34/55

- 32-Number Auto-Dialler ■ "Hands-Free" Two-Way Amplifier
- Programmable Tone/Pulse Dialling Works with Any Phone System

**DUoFONE® -165.** Versatile "all-in-one" phone stores up to 32 frequently called numbers for instant one-button dialling. Each of the 32 memory positions has a 28-digit capacity — you can even make overseas calls with the touch of just one key. Allows users with rotary-dial lines to access services requiring tone dialling, such as bank-by-phone services. Features a monitor button for on-hook dialling and a built-in two-way amplifier for "hands-free" family or conference calls. Has redial that calls the last entered number if busy or unanswered. Amplifier has pushbutton on/off, hi/lo sensitivity, privacy "mute" controls, volume control for speaker and adjustable ringer. Great for desk or wall mounting. With modular connectors for adding longer cords, if desired. 9.3 x 21.9 x 24.9cm. Requires four "AA" batteries for memory backup. With 1.8m modular cord. **43-601 . . . . . 249.95**



## Phone with Auto-Dialler/Amplifier

NEW  
FOR 87

**199<sup>95</sup>**

Telecom Authorisation  
# C85/33/84

- Programmable Tone or Pulse Dialling
- Monitor for On-Hook Dialling
- Battery-Protected Memory ■ For Desk Use or Wall Mounting

**DUoFONE-145.** This convenient combination makes a valuable addition to any home or business. Stores up to 32 phone numbers of up to 28 digits each for accurate one-button dialling of often-called or emergency numbers. Switchable for tone or pulse dialling — works on any phone line. Users on rotary-dial lines can access bank-by-phone and other services requiring tone dialling. "Flash" button allows convenient use of special phone services such as Call Waiting. Pause key works with phone system requiring an access code for the outside line. Pause can be entered manually or stored as part of numbers in memory. Also has monitor button with volume control, automatic redial that calls the last number entered if it was busy or unanswered, hi/lo ringer-adjust. Requires four "AA" batteries for memory backup. 8.8 x 13.9 x 25.4cm. With 1.8m modular cord, ready to plug in and use. **43-600 . . . . . 199.95**

## The Desk/Wall Phone You Can "Custom Decorate"

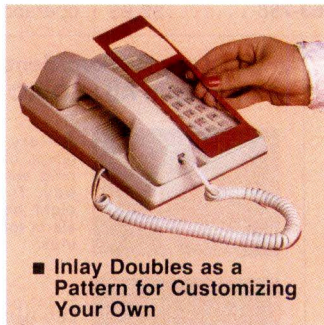
**149<sup>95</sup>**

NEW  
FOR 87

Telecom Authorisation # C85/33/111

- 10-Number Auto-Dialling
- Can Be Wall Mounted, Or Used On Desk or Counter

**Radio Shack ET-190.** This unique phone features one-button touch-redial of last number entered, adjustable ringer-volume, LED dialling indicator. Switchable pulse or tone dialling for use even on rotary lines. With 1.8m modular cord. **43-9530 . . . . . 149.95**



- Inlay Doubles as a Pattern for Customizing Your Own





# MAKE TANDY YOUR TELEPHONE COMPANY™



## 1-Piece Personal Phone

**44<sup>95</sup>**

Pulse-Dial

Telecom Permit #C84/30/25

**ET-120 Pulse.** Features touch-redial, hi/lo/off ringer-adjust and mute button. With 5-metre modular cord. **White, 43-501.**

**Brown, 43-502 . . . . . 44.95**

**Matching Wall Brackets. White, 43-186. Brown, 43-187 . . . . . Each 6.99**

## 1-Piece, 10-Number Dialler Phone

**49<sup>95</sup>**

Pulse  
Dialling for  
Pushbutton  
Convenience

Telecom Permit #C84/33/30



**Radio Shack ET-130.** Stores up to ten numbers for fast, two-button dialling of often-used, emergency numbers. Touch-redial, hi/lo/off ringer-adjust, label on back for listing numbers in memory. Hangs up on any flat surface. **White, 43-507. Brown, 43-508 . . . . . 49.95**

## Compact Slim-Fones with Base

**69<sup>95</sup>**

- "Privacy Button Mutes Mouthpiece for Off-Phone Conversation"

Telecom Permit #C84/30/26

**ET-270 Pulse.** One-button touch-redial of last number called, hi/lo/off electronic ringer-adjust, mute. With 4-metre cord. **White, 43-514. Brown, 43-515 . . . . . 69.95**



## Desktop Trim-Fone

**109<sup>95</sup>**



Switchable Touch-Tone/  
Pulse-Dial

Telecom Australia  
Authorisation #C84/30/120

Elegantly-styled with touch-redial of last number called, hi/lo ringer-adjust and detachable handset cord. Contoured handset has a handy "hang up" button for placing series of calls without returning to base. **Almond, 43-518. Brown, 43-519 . . . . . 109.95**



## 10-Number Memory Trim-Fone®

Tone-Dial  
**119<sup>95</sup>**

Memory Protection Circuits  
Telecom Permit #C84/33/20

**ET-280 Tone.** Features two-button auto-dialling of up to 10 often-called or emergency numbers of up to 16-digits each, and one-button touch-redial of last number called. Base holds index card for listing numbers in memory. Detachable coiled handset cord:

**Almond, 43-522. Brown, 43-523 . . . . . 119.95**



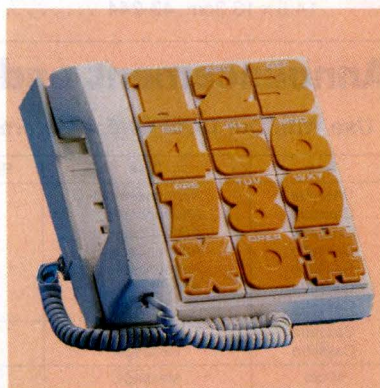
## Big-Button Telephone

**99<sup>95</sup>**

Selectable Touch-Tone  
Or Pulse Dialling

Telecom Australia  
Authorisation #C84/30/141

Big buttons for the "big kid" in you. Features touch-redial, mute button (in pulse mode) for privacy and ringer-adjust. For desk or wall use. With 2-metre modular cord. **43-344 . . . 99.95**



## Elegant Fashion Phone

**129<sup>95</sup>**

- Traditional Rotary Dialling
- Lightweight Handpiece, Stable Base

Telecom Permit #C84/30/91



**French-Style.** You get all the style and charm of Paris' "Left Bank" at a "down-home" price! "Continental-style" ringer and ornamental handset create a mood of undeniably European elegance. White with gold-color trim. Rotary-dial operation. 2m modular cord. **43-326 . . . . . 129.95**

SELECTABLE AND PROGRAMMABLE TOUCH-TONE/PULSE phones work on both tone and pulse lines. TOUCH-TONE phones give you access to quick error proof tone dialling on services which have been switched to take tone dialling (V.F. dialling). ROTARY/PULSE-SIGNALING phones work on both rotary-dial and Touch-Tone lines.



# OUR MOST INOVATIVE PHONE ANSWERERS



## Lowest-Priced Two-Tape Answering System

# 179<sup>95</sup>

Telecom Permit #C84/16/24

- Dual-Cassettes Make it Easy to Store and Change Tapes and Build a Complete Tape Library
- Switchable Message Length
- Announce-Only Setting

**DUoFONE TAD-210.** Records up to 120 incoming messages. Easy-to-use single-knob function control. Fast-forward lets you scan specific messages. Call-monitor lets you know who's on the line before you answer. Ringer adjusts sets number of rings before answering. Built-in mike, record, ready and call received LEDs. 7.2 x 21.3 x 22cm. **43-309** ..... **179.95**



## Announce-Only Phone Answering System

# 99<sup>95</sup>

Telecom Australia Authorisation #C84/15/94

**Greets Callers with Your Own Personalised Message**

**DUoFONE TAD-100.** The perfect "answer" for businesses, church groups and other organisations where an announcement is all that is required. Does not record calls. Built-in microphone for recording your message. LED indicator lights when there is an incoming call. Includes earphone for listening to your recorded message. 8.2 x 14.6 x 13.3cm. **43-244** ..... **99.95**

## Customized Announcement Tapes

# 14<sup>95</sup>

**Office/Home Edition.** Ten pre-recorded messages make your announcements in a professional or humorous manner. **43-415** . . **13.95**

**Comedy Edition.** Hilarious impersonators of Groucho Marx, W.C. Fields and eight others!

**43-416** ..... **14.95**



## Announcement and Message Tapes

Use With Our DUoFONE Answerers and Most Other Brands

Size	Type	Recording Time	Cat. No.	Each
Cassette	Announcement	10 Seconds	43-405	5.99
Cassette	Announcement	15 Seconds	43-403	5.99
Cassette	Announcement	20 Seconds	43-401	5.99
Cassette	Announcement	30 Seconds	43-402	5.99
Cassette	Announcement	45 Seconds	43-404	5.99
Cassette	Announcement	60 Seconds	43-406	5.99
Cassette	Announcement	3 Minutes	43-407	5.99
Cassette	Message	60 Minutes	43-410	4.99
Cassette	Message	90 Minutes	43-411	5.49
Micro	Message	60 Minutes	44-640	6.99

See Page 70 for Tandy's Full Line of Telephone Accessories



# FEATURE-PACKED ANSWERS FOR HOME OR OFFICE

**Breakthrough! Telephone Answerer with Voice-Operated Remote Call-in Feature**

Telecom Australia  
Authorisation #C85/16/43

NEW  
FOR 87

**399<sup>95</sup>**

- Remote Control is Operated From any Phone by Your Own Voice — Nothing to Carry
- "Security Code" Allows Only You to Use Remote Control
- Allows Recording of Two-Way Conversations

**DUoFONE TAD-215.** Sophisticated, yet simple to use! Get all the advantages of remote control without having to carry a remote control unit. Built-in voice synthesization lets the answerer communicate with you directly. Just dial your number from any phone — then verbally identify a 2-digit code number that prevents unauthorized access to your answerer. The answerer will then ask you a series of questions — "Play back new messages?" "Play back all messages?" — and many more. You respond by saying "Yes", or remaining silent. You can play and repeat messages or change your announcement. LED digital display indicates number of incoming messages, function in progress. Features dual-cassette operation, "Announcement Only" setting. Call-Monitor for screening calls, Adjustable selector sets number of rings before answering. Soft-touch button operation. 7.9 x 25.4 x 26cm. 240V AC operation. **43-319 ..... 399.95**



## Dual Cassette Phone Answerer With Remote Control

Telecom Australia  
Authorisation #C84/16/137

**299<sup>95</sup>**

- Remote Control Lets You Call From Any Phone to Review Your Messages
- Records Callers for Up To 3 Minutes or Gives Announcements Only

**DUoFONE® TAD-112.** Dual cassettes make it easy to change and change and store message and announcement tapes. Voice activation saves tape. Save time by erasing old messages while rewinding. When you're at home, call-monitor lets you screen incoming calls before you answer. Built-in mike, single-control operation, fast-forward. Ready, record and call received LEDs. Selectable ring delay lets you determine number of rings before the machine answers. Answerer, 7 x 24.8 x 18.5cm. Remote, 8.3 x 5.7 x 2.5cm. Remote requires 9V cell. **43-247 ..... 299.95**



## Low-Cost With Remote Control

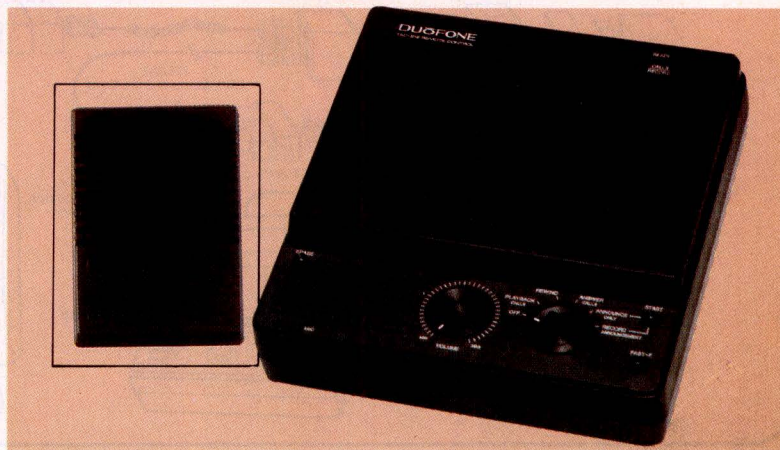
Telecom Australia  
Authorisation #C85/16/71

NEW  
FOR 87

**249<sup>95</sup>**

- Dual-Cassettes Make it Easy to Store and Change
- Switchable Message Length Announce-Only Setting

**DUoFONE TAD-212.** Records up to 120 incoming messages. Easy-to-use single-knob function control. Fast-forward lets you find specific messages quickly. Call-monitor lets you know who's on the line before you answer. Ringer adjust single-knob control, erase during rewind, built-in mike, record/ready/call-receive LEDs. With convenient remote control plus voice-activation to save tape space. Records only as long as caller speaks. 7.6 x 20.9 x 21.7cm. Remote requires 9V battery. 240V AC operation. **43-313 ..... 249.95**



All DUoFONE Answerers Carry Telecom Permit Numbers and Are Perfectly Legal for Customer Self Connection



# TELEPHONE ACCESSORIES COST LESS AT TANDY



## Budget Pocket Tone Dialler



Saves You Money

**32<sup>95</sup>**

NEW FOR 87

Utilize bank by phone and other services requiring "tone" signals from most phones. Ideal for tone-activated remote answers and auto-patches. With 4 357A button batteries. 43-138 ..... **32.95**

## "Phone Style" 2-Station Intercom System

**139<sup>95</sup>** Pair

Uses two separate frequencies to send and receive — just talk like it's a regular phone. Lift handset off base to call and a pleasant "ringer" sounds at the other station. LED station indicators blink when calling, steady when answered. No wiring — just plug into AC outlet. For desktop or wall mounting. 8 x 8.3 x 22.9cm. 43-205 .... Pair/139.95



## Snap-On Handset Amplifier



**21<sup>95</sup>**

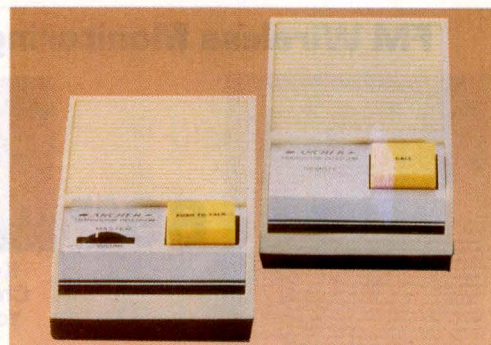
Attaches easily to Earpiece

Boosts caller's voice up to five times normal volume. Handy for noisy areas or the hearing impaired. Volume control. With battery. 43-238 ..... **21.95**

## 2-Station, Battery-Power Wired Intercom

**24<sup>95</sup>** Pair

- For Desktop or
- Wall Mounting
- With 20-metre Cable



An inexpensive communications system for your home and shop as well as for campers, motorhomes or larger boats. Remote can signal master even when system is "off". Master has volume control. 4.4 x 7.8 x 10.5cm. Requires 9V cell. 43-221 ..... Pair **24.95**



## Portable Telephone Listener

**17<sup>95</sup>** No Wiring Required

Amplifies calls so others can listen. Suction cup pick up works on most phones. Adjustable volume. 5 x 7.6 x 12cm. Requires 9V cell (or optional AC adapter 273-9663). 43-231 ..... **17.95**

## 300-Number Automatic Directories

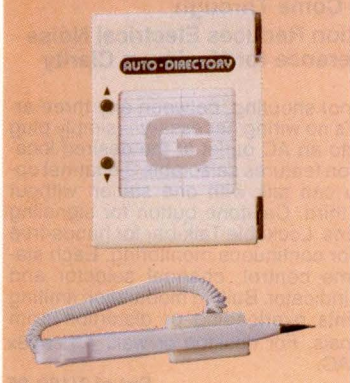
**13<sup>95</sup>** Scrolling Operation

Portable. Forward or reverse power-operated drive accesses up to 300 names/numbers. 13 x 9.5 x 2.9cm. Requires two "AA" cells. 43-112 ..... **13.95**

## Stick-On Phone Pen

**99¢**

Adhesive-mount back attaches easily to telephone or other smooth surface. 43-110 ..... **99¢**



## 4-Station, Battery-Power Wired Intercom



**44<sup>95</sup>**

Set of 4

Use It Anywhere

Talk-bar on any remote to signal master. Master, 4.4 x 10.5 x 12.4cm. Remotes, 4.4 x 7.6 x 10.5cm. With three 20-metre cables. Requires 9V cell or AC adapter. (273-9663). 43-216 ..... Set of 4/44.95

Prices Apply at All Tandy Stores and Participating Dealers



# PLUG 'N TALK® FM WIRELESS INTERCOMS

## Portable FM Cordless Room Monitor



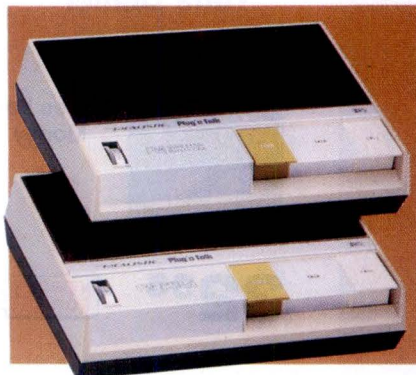
**99<sup>95</sup>**  
Set

NEW  
FOR 87

**Just Plug Into AC Outlets— No Wiring to Install**

Lets you monitor an area such as a child's room, as you move freely around the house! Battery powered receiver clips to your belt or pocket, or save battery power and use the 240V AC adapter included. Switchable 2-channel operation helps eliminate noise and interference. Transmitter: 5.1x13.3x11.1cm. Receiver(12.7x6.4x2.9cm) requires 9V battery for portable operation. 43-202.....**99.95**

## 2-Station With Lighted Talk-Bar



**139<sup>95</sup>**  
Pair

- FM Operation Cuts Electrical Noise
- Saves Time and Steps
- Lighted Talk-Bar Doubles As a Convenient Nightlight
- Squelch Control

Put an end to shouting and running between rooms. It couldn't be easier to use—just press Talk-bar to speak, or Lock-bar for hands-free talking or continuous monitoring from the other station. Each station has rotary volume control and Call-tone button. Squelch silences speakers between calls. Expandable—add a 2nd pair anytime. 4.4x7x12cm. 240V AC. 43-212.....**Pair 139.95**

## FM Wireless Monitoring System



**69<sup>95</sup>**  
Set



**Keep an "Ear" on  
Child's Room While  
You Work at Home**

Low-cost monitoring system is ideal for "babysitting" from another room or as a one-way intercom. Transmitter has on/off switch. Receiver has on/off volume control. No wiring necessary—just plug in. 4.6x7.6x9.8cm. 240V AC 43-208.....**Set 69.95**

## Budget-Priced 2-Station System



**99<sup>95</sup>**  
Pair

- Compact Size
- For Desktop Or Wall

Call-tone on each station alerts the other. Talk-bar with lock position for hands-free talking or continuous monitoring. Volume control and power-on LED indicator. Expandable—add another pair anytime. Just plug in, and talk. Hanger slots for wall mounting. 4.6x14.9x10cm. 240V AC. 43-207.....**Pair 99.95**

## Our Best! 3-Station, 3-Channel FM Wireless Intercom and Monitoring System



**169<sup>95</sup>** Set of 3

- Squelch Helps Keep Stations Silent Until Calls Come Through
- FM Operation Reduces Electrical Noise And Interference for Maximum Clarity

Enjoy talking, not shouting, between any three areas. And there's no wiring necessary—simply plug each station into an AC outlet at the desired location. Each station features selectable 3-channel operation so you can talk with one station without disturbing the third. Call-tone button for signaling one or all stations. Lockable Talk-bar for hands-free conversations or continuous monitoring. Each station has volume control, channel selector and power-on LED indicator. Built-in modulation limiting circuitry prevents overloading or distortion from loud voice signals. For desktop or wall. 4.1x14.8x10.5cm. 240V AC. 43-218.....**Set of 3/169.95**



# LIGHT WHERE YOU NEED IT WHEN YOU NEED IT

## "Super Plug"



**21<sup>95</sup>**

All-In-One  
Worldwide  
Adapter

Archer# "Super Plug" connects standard 2-pin plug to 2 or 3-pin mains sockets in over 30 countries! Five types of plugs—simply select then lock in place. For hairdryers, shavers, clocks, radios, etc. 61-9704 . . . 21.95

## Adapter Plugs

'British' Adapter 3 Square Pins Earthed  
'European' Adapter, 2 Round Pins, Earthed  
'American' Adapter 2 Flat Pins



**International Adapter Plugs.** Perfect for travellers! Allows you to plug your Australian 2/3-pin appliances into foreign sockets. For foreign countries that have a 110 volt supply, you will require a separate transformer. 61-9703 . . . Set of 3/19.95

## Handy Mini Fluorescent Light 12<sup>95</sup>

Extra-bright, lightweight lamp perfect for camping, highway emergencies and electrical blackouts. Small enough to fit in backpack or glovebox. Built-in spot-light, carry cord. 20.3 x 5.7 x 3.4cm. Requires three "C" cells. 61-2734 . . . 12.95



## Deluxe Illuminated 30X Microscope 19<sup>95</sup>



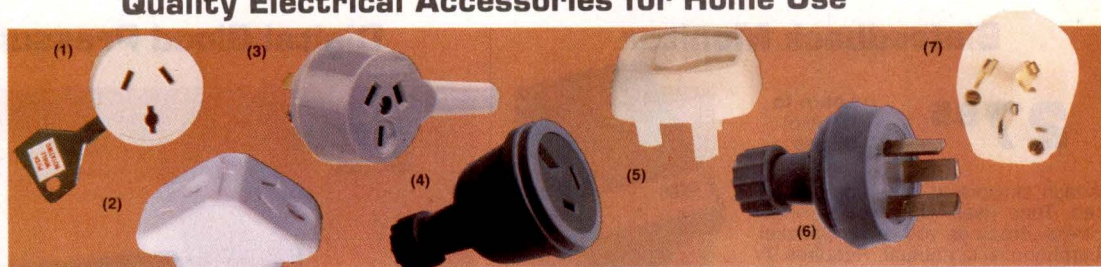
Deluxe microscope puts light directly on object. Ideal for school science classes. Thumb-wheel focus, 14cm long. Requires 2 "AA" batteries. 63-850 . . . 19.95

## Lighted Dual Magnifier 7<sup>95</sup>



Read with 7.6cm main lens or use 2.5cm inset for fine type. Great for inspecting coins/stamps. Requires 2 "AA" batteries. 63-848 . . . 7.95

## Quality Electrical Accessories for Home Use



(1) **Plug Minder.** Key lock to appliance plugs. Completely tamperproof. 61-9514 . . . 4.99  
(2) **Double Adapter.** Double the usage of any single mains plug. 61-9506 . . . 3.99  
(3) **Double-Backed Plug.** Piggyback mount. 61-9508 . . . 3.99

(4) **Cord Extension Socket.** 3 flat pin type. 61-9512 . . . 3.99  
(5) **Safety Protector Plugs.** For 3-pin sockets. Easy-release. 61-9513 . . . Pkg. of 6/3.49  
(6) **Replacement Mains Plug.** Easy screw terminal. 61-9502 . . . 1.99  
(7) **Side Entry Plug.** For 2 or 3 core flexible cable. 61-9516 . . . 1.99

## Fuse Wire



**69<sup>¢</sup>**

Handy household pack with 2 sizes of wire. 1m of 8 amp for light fuses and 1m of 15 amp for power fuses. 61-9509 . . . 69¢

## Fluorescent Starters



Pkg. 2 **1<sup>99</sup>**

Fluorescent lights turn on faster.  
20-Watt. 61-9600 . . . Pk. 2/1.99  
40-Watt. 61-9601 . . . Pk. 2/1.99

## Pencil Sharpener



**4<sup>95</sup>**

Battery operated. Push pencil in top, sharpens automatically. Wood grain finish. 4 "C" cells. 61-2795 . . . 4.95

## Fluorescent Lantern

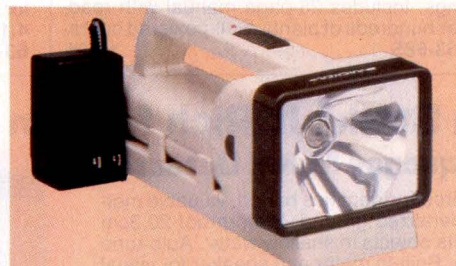
NEW  
FOR 87

**19<sup>95</sup>**

Three lights in one! Fluorescent—for camping, barbecues, power failures. Blinking Amber—for road and other emergencies. Beam Flashlight—plugs into lighter with 3.6m cord, included. Requires 4 alkaline "D" batteries. 61-2735 . . . 19.95



## Rechargeable Lantern and Safety Light



NEW  
FOR 87

Perfect in  
Power  
Failures

**39<sup>95</sup>**

Two lights in one! Stored on the wall in its charging bracket, it's a power-safety light—comes on automatically when AC fails. Remove from the bracket, and it's a powerful lantern—the charge lasting up to two hours. Built-in rechargeable nickel-cadmium batteries. LED "power-on" indicator. With charger and AC adapter. 61-2740 . . . 39.95

## Flashlight Bargains

(1) **"D" Cell Searchlight.** Throws bright concentrated beam. Requires 3 "D" batteries. 61-2635 . . . 6.99  
(2) **Magnet Light.** Holds securely to metal. Great for auto mechanics. Requires 2 "D" batteries. 61-2640 . . . 6.99  
(3) **Heavy-Duty "C" Cell.** Requires 2 "C" batteries. 61-2641 . . . 3.49  
(4) **Penlight.** Fast way to find key-holes after dark. Pocket clip. Requires 2 "AA" batteries. 61-2626 . . . 3.99  
(5) **Disposable Clip Light.** Handy clip attaches to shirt or coat pocket. With battery. 61-2625 . . . 3.99



(6) **Safety Wand Torch.** Requires two "D" batteries. 68-1016 . . . 3.99  
(7) **5-Cell Torch.** Strong and durable. Requires 5 "A" batteries. 68-1022 . . . 6.95  
(8) **"C" Cell Lantern.** Requires four "C" batteries. 68-1034 . . . 6.95  
(9) **4-Cell Torch.** Top quality. Requires four "D" batteries. 68-9601 . . . 3.99  
(10) **Handy Sized Torch.** Requires two "AA" batteries. 68-9603 . . . 1.99

See Pages 88-90 for Dependable Radio Shack Long-Lasting Flashlight Batteries



# ELECTRONICS FOR HEALTH, LEISURE & FUN

## Biofeedback Monitor

**27<sup>95</sup>**

Learn to  
Control  
Stress

Attach sensors to fingertips and listen. Tone rises when you're under stress, drops as you relax. Speaker, earphone jack, manual. Requires 9V battery. 63-675 ..... 27.95



## Digital LCD Fever Thermometer



Not a medical instrument

Great for kids — displays accurate temperature readings ( $\pm 0.2^{\circ}\text{C}$ ) in one minute! Auto-shutoff, high-temp warning. 13.9cm long. With 23-102 battery.

**21<sup>95</sup>**

63-653 ..... 21.95

## Light Meter/Moisture Meter for Your Plants

**14<sup>95</sup>**

Grow Healthier Plants

Instantly switches from light meter to moisture meter. Just insert probe into soil for accurate readings. Includes 28-page manual with readings for hundreds of plants. Self-powered operation. 63-685 ..... 14.95



## Digital Blood Pressure/Pulse Tester

**99<sup>95</sup>**

NEW  
FOR 87



Easy to Use



Not a medical instrument

Wrap cuff around arm, inflate, and both systolic and diastolic pressure readings are displayed. Pressure and pulse rates are alternately displayed. Built-in mike, automatic deflation, low-battery indicator. With soft carry case. 10.8 x 11.7 x 4.1cm. Requires 9V battery.

63-661 ..... 99.95

A Must for Health Care

- Accurate and Reliable
- One-Hand Operation
- Big LCD Readout
- Automatic Power-Off

## You Can Strike It Rich for Fun or Profit With Our Metal Detectors

### Very Low Frequency Metal Detector

Very Low Frequency circuitry identifies buried, valuable metals even in highly mineralized ground. Waterproof 20.3cm search coil even detects objects in shallow water. Auto-tune for optimum sensitivity. Built-in meter and speaker for visual and audible indication. Volume, sensitivity, tuning and discriminator controls. 1/4" headphone jack. Shaft extends to 67cm. Requires three 9V batteries. 63-3003 ..... 159.95

### Discriminator Detector

Discriminator-type circuit identifies "junk" like bottle caps and pull tabs to avoid needless digging. Built-in speaker and meter for visible and audible indication. Auto-tuning. Volume and discriminator controls. Battery test switch. Sensitive 15cm search coil. 1/4" headphone jack. Shaft extends to 61cm. Requires 6 "AA" batteries. 63-3002 ..... 99.95

### "Standard" Detector

Spots metal under soil, wood and dry sand. Water-resistant coil has a Faraday Shield to cut false readings. Large meter, peaking and volume controls. Ferrous/non-ferrous control helps identify valuable objects. Lightweight design. With 1/8" Jack for lightweight-type headphones. Shaft extends to 61cm. Requires 6 "AA" batteries. 63-3001 ..... 69.95

### Treasure Finder

Spots anything metallic up to 15cm underground! Easy-to-use tuning and fine-tuning controls. Speaker tone changes when search coil detects metal. Lightweight. Shaft extends to 69cm. Requires 9V battery. 60-3003 ..... 29.95



Find Lost  
Valuables!



**159<sup>95</sup>**

**99<sup>95</sup>**

**69<sup>95</sup>**

**29<sup>95</sup>**



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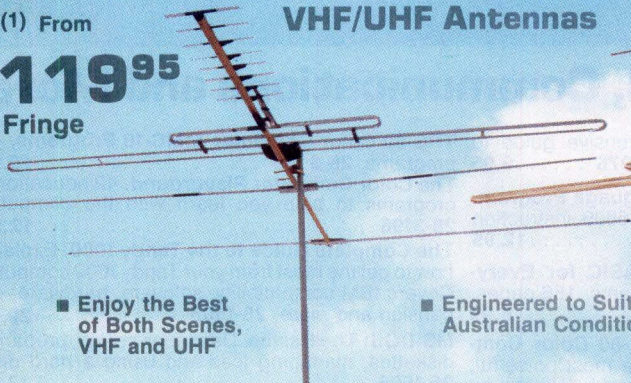


IMPROVE YOUR TV RECEPTION OVERNIGHT

# Color Supreme Plus


All Combination VHF/UHF Antennas are Designed and Manufactured in Australia  
and Come with a 75-Ohm "Take Off" Connection Box

(1) From **119<sup>95</sup>**  
Fringe




■ Enjoy the Best of Both Scenes, VHF and UHF

(2) **79<sup>95</sup>**  
Metropolitan



■ Engineered to Suit Australian Conditions

(3) From **59<sup>95</sup>**  
Inner Metropolitan



■ Heavy Duty "U" Bolts and Clamps Included

■ Simply Connect 75-Ohm Coax Cable for Reception


(1) **Fringe Area.** For capital city fringe reception (except Brisbane and Canberra). 15-9704 ..... 119.95  
Fringe Area for Brisbane. 15-9705 ..... 129.95

(2) **Standard Metropolitan.** Our most popular capital city antenna. (Except Canberra) 15-9701 ..... 79.95


(3) **Inner Metropolitan.** Budget antennas for areas near transmitters (ex. Canberra). 15-9702 ..... 59.95  
Metropolitan for Canberra. 15-9711 ..... 69.95

## VHF Antennas

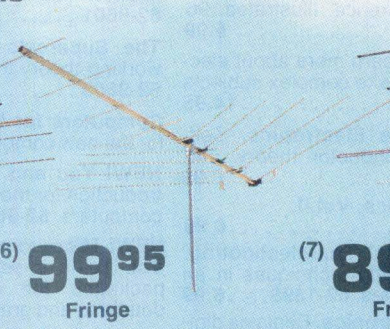
(4) **129<sup>95</sup>**  
Fringe Anti Ghosting



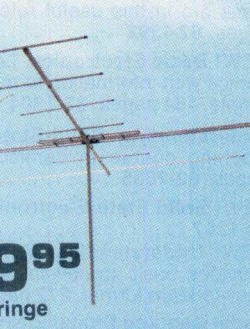
(5) **99<sup>95</sup>**  
Local Anti-Ghosting




(6) **99<sup>95</sup>**  
Fringe




(7) **89<sup>95</sup>**  
Fringe




(8) **69<sup>95</sup>**  
Local Yagi




(9) **69<sup>95</sup>**  
Local High Gain



(10) **39<sup>95</sup>**  
Standard Local





**Gutter Grip Mount**  
Gutter grip with short vertical mast.  
15-9823 ..... 7.95

■ All These Antennas Come With Mtg. "U" Bolt and Full Instructions

■ Tandy Carries a Full Range of Antenna Accessories

■ Replace Your Wornout Antenna Now

(4) **VHF Fringe Anti-Ghosting.** Designed for fringe area reception. High forward gain with side-image signal rejection. 15-9566 ..... 129.95

(5) **VHF Local Anti-Ghosting.** For local transmission areas with poor signal reception. Minimal side signal reception. 15-9565 ..... 99.95

(6) **VHF Super Fringe.** Powerful antenna for fringe areas for all round reception. 15-9551 ..... 99.95

(7) **VHF Fringe.** Designed for distant, moderately strong signals in areas where reception is fair. 15-9561 ..... 89.95

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(10) **VHF Standard Local.** For use in local area reception with good to fair transmission. 15-9822 ..... 39.95

Masts Not Included with Antennas



# ARCHER® FOR VISIBLY BETTER PICTURES

**UHF TV Antennas**

**Designed and Manufactured in Australia**

**79<sup>95</sup>**

Each

**59<sup>95</sup>**

**49<sup>95</sup>**

Each

**NEW FOR 87**

**NEW FOR 87**

**NEW FOR 87**

■ 18-Element Fringe

■ Can be Centre or End Mounted

■ 10-Element Local

■ Ready to End Mount to Masting

■ 5-Element Budget

■ Ideal for Areas with Good Reception Signal

(1) All Band UHF (CH28-69) with corner reflectors, 75-ohm. Take-off connection box.

15-9817 ..... 79.95

UHF CH59-69 High Gain. 15-9819 ..... 79.95

(2) All Band UHF (CH28-69) for use in most local transmission areas, with corner reflectors, ready for co-ax connection. 15-9807 ..... 59.95

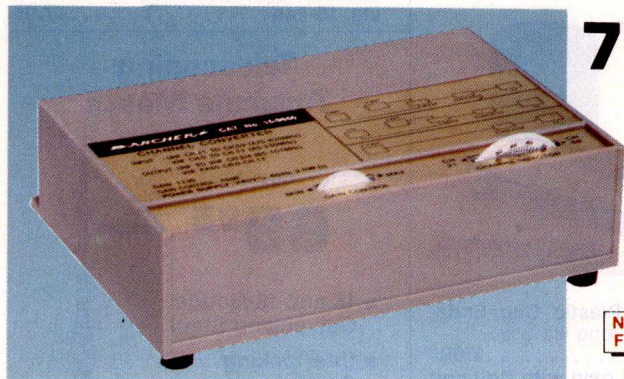
(3) 5-Element Band IV for capital cities, (CH28) ready for mast mounting and co-ax connection. With full mounting instructions and necessary hardware.

15-9824 ..... 49.95

Band V for (CH39-69) areas. 15-9825 ..... 49.95

## Tunable UHF Down Converter

**79<sup>95</sup>**



**NEW FOR 87**

**Archer Indoor UHF Down Converter.** With 10 dB gain control. Converts UHF channel 21-69 into a VHF channel 3 or channel 4 output. Also, VHF channels 0-11 can be passed through the converter. AC powered with 10 dB gain control.

15-9650 ..... 79.95

## Vertical Antenna Mount Bar



**7<sup>95</sup>**

With illustrated instructions.

15-9584 ..... 7.95

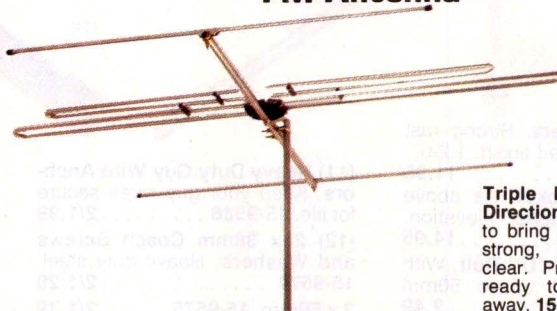
## Antenna Stay Bar



**7<sup>95</sup>**

For greater stability in end mounting UHF antennas. 15-9585 ..... 7.95

## FM Antenna

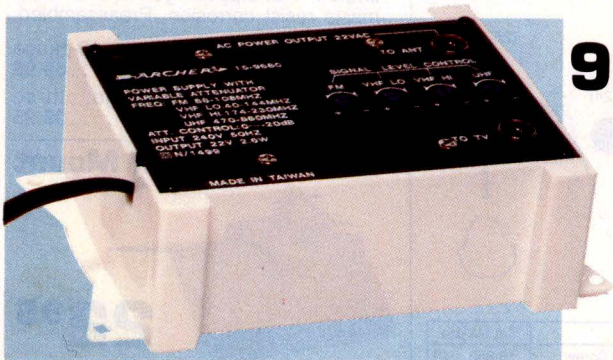


**59<sup>95</sup>**

**Triple Drive 3-Element Directional.** With high gain to bring in distant stations strong, loud and FM/TV clear. Pre-assembled and ready to install straight away. 15-9636 ..... 59.95

## Masthead Amplifier

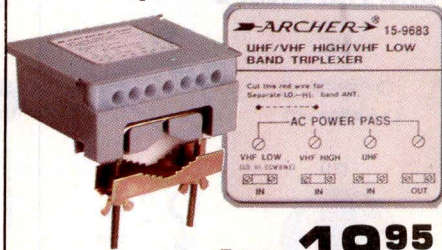
**99<sup>95</sup>**



**NEW FOR 87**

**Masthead Amplifier, Power Supply,** with 4-Band variable attenuation. Adds 10 dB gain to your TV antenna. VHF-Lo, VHF-Hi and UHF, as well as FM. Multi antennas can be connected with optional diplexers. Owners manual, Input 240VAC, output 22VAC. Includes pre-amplifier. 15-9680 ..... 99.95

## Diplexers with AC Current Pass



From

**19<sup>95</sup>**

**NEW FOR 87**

**Triplexer.** Suit VHF-Lo/VHF-Hi/UHF Antennas.

15-9683 ..... 21.95

**Diplexer.** Suit VHF-Hi/UHF to VHF-Lo antennas.

15-9685 ..... 19.95

**Diplexer.** Suit VHF to UHF antennas. 15-9687 ..... 19.95

**Diplexer.** Suit VHF-Hi to VHF-Lo. 15-9686 ..... 19.95

## Pre-Amplifiers, AC Block

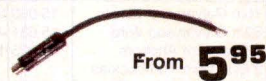
**NEW FOR 87**

**10 dB Pre-Amplifier** with AC Block as used in 15-9680 for optional antenna amplification.

15-9681 ..... 19.95

**10 dB Series Pre-Amplifier** can be attached to 15-9681 to increase gain by 10 dB. 15-9684 ..... 19.95

**AC Block** to stop current going to a non-amplified antenna. 15-9682 ..... 5.95

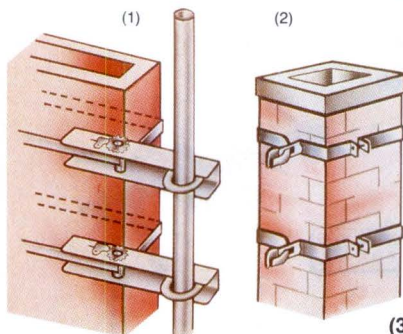


From **5<sup>95</sup>**

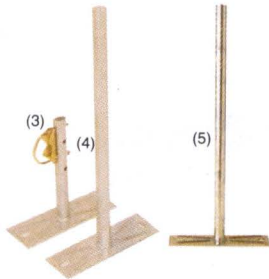


# MAKE TANDY YOUR ANTENNA HEADQUARTERS

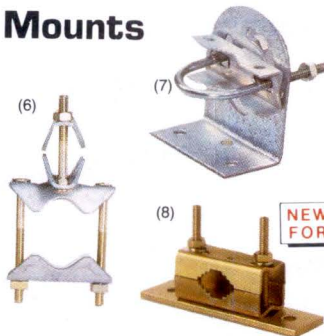
## Chimney and Roof Mast Mounts



(1) **Chimney Ratchet Mount.** Fastens 25 to 44mm mast. Two stainless steel straps, each 19mm x 5.4m. **15-839 ..... 24.95**  
 (2) **"Z" Chimney Mounts.** Secures mast to chimney. Set of two, each with 15mm x 3m galvanised steel strap. **15-476 ..... 12.95**



(3) **22cm Pole Assembly.** For wall or eave. Rust proof mount. **15-9570 ..... 8.95**  
 (4) **68cm Pole Only.** Great for wall mounting your aerial. **15-9571 ..... 8.95**  
 (5) **91cm Pole Only.** Give your aerial height! For wall mount. Rustproof. **15-9572 ..... 9.95**



(6) **Universal Wall Mount Mast Clamp.** For up to 57mm mast. **15-9573 ..... 6.95**  
 (7) **Mast Anchor (Universal Mount).** For up to 38mm-dia. masts. Must be guyed for roof and window mounts. **15-888 ..... 3.99**  
 (8) **NEW! Flat Facia or Wall Mounting Assembly.** Including "U" bolt. **15-9569 ..... 9.95**

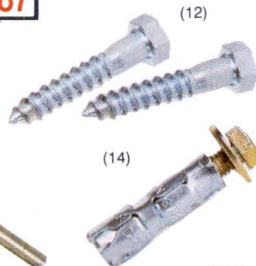
## Wall and Eave Mounts and Accessories



(9) **Facia Brackets.** Strong rust resistant galvanised finish. 1.2m. **15-9524 ..... 11.95**  
 1.8m **Facia Bracket.** As above but longer for higher elevation. **15-9535 ..... 14.95**  
 (10) **Heavy Duty "U" Bolt.** With clamp suit mast up to 50mm diameter. **15-9582 ..... 2.49**



(11) **Heavy Duty Guy Wire Anchors.** Keep your guy wires secure for life. **15-9586 ..... 2/1.99**  
 (12) **2 x 38mm Coach Screws and Washers.** Heavy duty steel. **15-9574 ..... 2/1.29**  
 2 x 50mm. **15-9575 ..... 2/1.49**



(13) **25mm Plastic Cap Ends.** Designed for long life use. **15-9577 ..... 2/69¢**  
 (14) **9.5mm Loxin with Bolt and Washer.** **15-9578 ..... 2.29**  
 (15) **2 x 48mm Expander Bolts.** **15-9580 ..... 2/2.49**  
 2 x 75mm. **15-9581 ..... 2/2.79**

## Guy Wire and Hardware

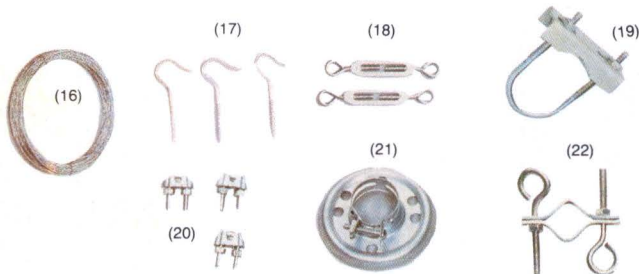


Fig.	Description	Cat. No.	Ea.
16	15m Galvanised Wire	15-030	2.99
17	30m Galvanised Wire	15-031	4.99
18	3 Guy Wire Anchors	15-825	1.49
19	2 Guy Wire Turnbuckles	15-829	1.99

Fig.	Description	Cat. No.	Ea.
20	U-Bolt and Clamp	15-826	1.49
21	3 Guy Wire Clamps	15-850	1.99
22	31mm Guy Ring & Collar	15-835	1.49
23	Guy Wire Mast Clamp with Bolts	15-827	1.49

## Standoff Insulators

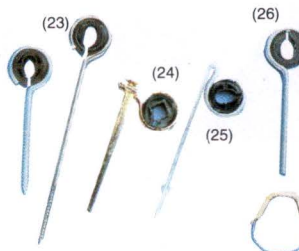


Fig.	Description	Cat. No.	Ea.
23	4x88mm Wood Screw	15-853	1.49
24	4x140mm Wood Screw	15-854	1.99
25	2 Masonry Type	15-820	1.99
26	2 Nail-In Type	15-821	1.49
27	2 Strap-On Type	15-823	1.99

## Heavy-Duty Masts



Completely waterproof. Made of heavy duty steel. 31mm diameter. 3m long. **15-9509 ..... 14.95**

## Standard Mast



25m Diameter. Galvabond steel. **1.8m 15-9507 ..... 8.95**  
**3.4m 15-9508 ..... 11.95**

## Light-Duty Mast



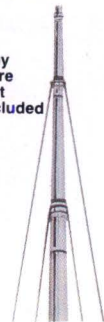
1.5m. 20-gauge steel with gold enamel finish to help resist corrosion interlocking. **15-844 ..... 7.95**

## Telescoping Antenna Masts

Low As **69<sup>95</sup>**

Guy Wire Not Included

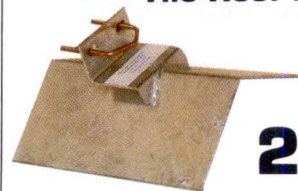
- 16 and 18-Gauge Galvanized Steel
- Interlocking Sections
- Clamp and Guy Ring for Support



Raises your antenna for stronger TV and FM reception. Sturdy sections interlock—won't pull out, slip, twist or shake! Hot-dipped galvabond steel masts resist corrosion. Preassembled.

**6m Mast.** One 16-gauge, one 18-gauge section. **15-9510 ..... 69.95**  
**3m Mast.** One 16-gauge, three 18-gauge sections. **15-9511 ..... 99.95**

## Tile Roof Mount

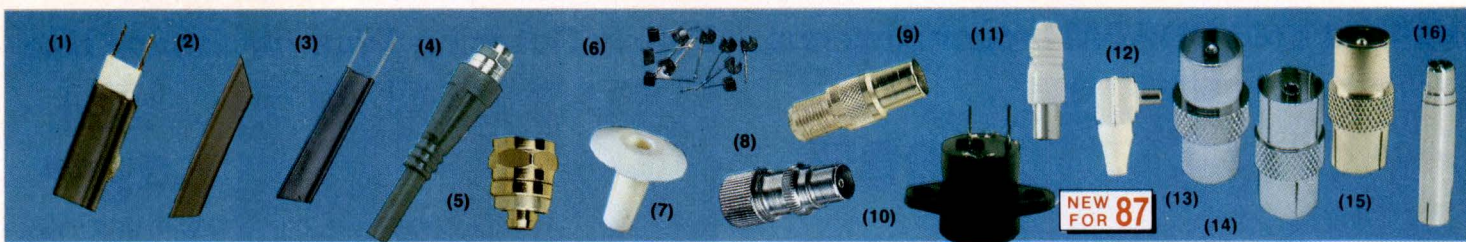


**22<sup>95</sup>**

Create a solid mount for your antenna by anchoring your mast to a roof tile. **15-889 ..... 22.95**



# ARCHER® ACCESSORIES BOOST TV RECEPTION



(1) VHF/UHF 300-Ohm Foam Cable. Our best are recommended for use in weak-signal areas or where you want the finest possible performance and long-term reliability. 20-gauge copper, dense polyethylene jacket.

15m. 15-1174 ..... 11.95  
30m. 15-1175 ..... 19.95

(2) Low-Cost Twin Lead. For TV or FM. 24-gauge, 4-mil. For indoor/attic use.

Brown Twin Lead, 12m. 15-004 ..... 3.99

Clear Twin Lead, 12m. 15-1158 ..... 3.99

Standard Twin Lead. 22-gauge, 7-strand. For indoor use.

15m. 15-1153 ..... 6.95

30m. 15-1154 ..... 11.95

(3) 300-Ohm Flat TV Ribbon Cable. Indoor (clear).

15-9505 ..... per m/25¢

Outdoor (slotted). 15-9506 ..... per m/30¢

(4) Shielded VHF/UHF Foam Coax Cable Assemblies. Combines low-loss characteristics with interference-rejecting shielding. Use with 75 to 300-ohm matching transformers. Has F-56 connectors.

15m. 15-1526 ..... 19.95

30m. 15-1527 ..... 32.95

(5) 75-Ohm Coax Connectors. Type F-59. For RG59/U cable used in TV antenna systems.

278-211 ..... Pkg. of 2/2.49

Type F-56, For RG6/U cable. 278-214 Pkg. of 2/2.49

(6) 10 Coax Nail Clips. Insulated nails with clips to secure 75-ohm RG-59 coax cable. For a neat, professional installation. 20-192 ..... 1.99

(7) Coax Feed-Thru Bushing. Provides neater installations and protects cables.

RG59U. 278-1643 ..... Pk. of 2/79¢

(8) 75-Ohm Coax Adapters. "F" connector to Male PAL. 278-9260 ..... 2.69

"F" Connector to Female PAL. 278-9261 ..... 2.69

(9) 75-Ohm PAL Plug (solderless). Use with coax TV cable. 15-9540 ..... 2.49

PAL Socket. 15-9641 ..... 2.49

(10) PAL Chassis Mount Socket. 15-9611 ..... 99¢

(11) Terminating Resistors. Dummy load plugs. Terminate unused outputs of 75-ohm splitters and distribution amps to prevent TV interference and "ghosting". PAL type. 15-9635 ..... Pk. 2/2.49

"F" type. 15-1144 ..... Pk. 3/1.99

(12) NEW! 90° PAL (solderless). Hi-isolation TV/video plug. 15-9608 ..... 2.99

(13) PAL Plug Joiner. 15-9612 ..... 1.99

(14) PAL Socket Joiner. 15-9613 ..... 1.99

(15) PAL Plug Extension. 15-9614 ..... 1.99

(16) 75-Ohm TV Signal Attenuators. PAL plug to socket.

6 dB. Attenuation. 15-9901 ..... 4.99

12 dB. Attenuation. 15-9902 ..... 4.99

## TV/FM Power Cords, Wall Plates, Connectors and More



(17) Private TV Listener. Remote volume control with earphone. 4.6m cord. 15-587 ..... 7.95

(18) 75-Ohm Entry Plate. For coax cable with PAL socket outlet. 15-9554 ..... 4.99

(19) 75-Ohm PAL Socket Wall Plate. Includes mounting hardware. 15-9553 ..... 6.95

(20) NEW! 75-Ohm PAL Socket TV/FM Wall Plate. 15-9644 ..... 8.95

(21) NEW! Single Blank Wall Plate. 15-9645 ..... 4.99

Double Blank Wall Plate. 15-9646 ..... 4.99

(22) 300-Ohm TV Socket (insert). Fits 2-pin type plug. 15-9638 ..... 2.49

(23) 75-Ohm Coax Outlet (insert). For 75-ohm PAL plugs. 15-9639 ..... 2.99

(24) NEW! As above but "F" Connector. 15-9642 ..... 2.99

(25) Blank Wall Plate (miniature). 15-9640 ..... 1.99

(26) TV Plug. 300-ohm suit 2-pin sockets. 3mm pin diameter. 15-9601 ..... 2.49

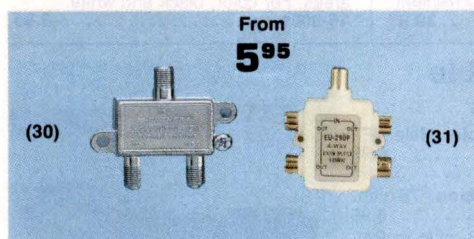
With 2mm pins. 15-9621 ..... 2.49

(27) NEW! 300-Ohm 2-pin Wall Socket. 15-9643 ..... 2.49

(28) Polarized TV/FM Connectors. Prevent polarity reversal when splicing. 300 ohms. 15-1199 Set/1.99

(29) TV/FM Plug and Socket. 300 ohms. 15-1198 ..... Set/1.99

## 75-Ohm Splitters/Combiners



(30) 75-Ohm Hybrid Splitter/Combiner. Coax downlead to two UHF/VHF outputs. "F"-type connectors. Reversible. Combine two UHF/VHF inputs to one output. 15-1141 ..... 5.95

4-Way. As above. 15-1142 ..... 7.95

(31) 2-Way Coupler with PAL sockets. 15-9631 ..... 6.95

4-Set Coupler. 15-9634 ..... 8.95

## Video Co-Axial Leads

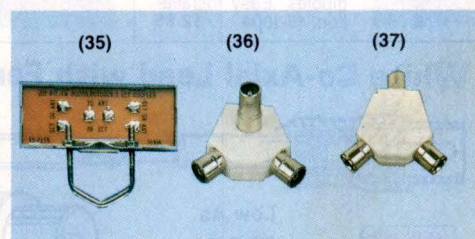


(32) Video Coaxial Lead. 1.5m long with BNC plug at one end, RCA at the other. 15-9557 ..... 6.95

(33) RCA-PAL TV Lead. 1.5 metres long. 15-9558 ..... 4.95

(34) NEW! Video Coaxial Lead. 1.5m long. BNC plug to BNC plug. 15-9559 ..... 9.95

## Easy-to-Use Splitters



(35) 2-Set Indoor/Outdoor Coupler. Combines two antennas for one 300-ohm lead. 15-1135 ..... 5.95

4-Set Indoor/Outdoor Coupler. Combines four antenna outputs for one 300-ohm downlead. 15-1136 ..... 6.95

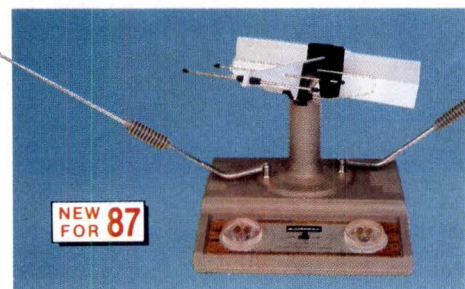
(36) "Y"-type Coax Splitter. Plugs into 75-ohm socket, two 75-ohm socket outputs. 15-9618 ..... 4.99

(37) Flat-type Coax Splitter. As above. TV or FM. 15-9619 ..... 4.99



# EXCELLENT SELECTION OF INDOOR ANTENNAS

## Amplified VHF/UHF/FM Indoor Antenna

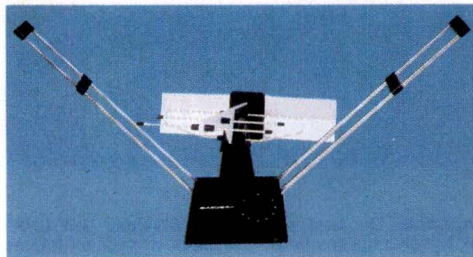


**69<sup>95</sup>**

- Selector Switch on Boost or Normal Position Prevents Overload
- AC Operation

High quality indoor antenna with 10 dB amplified gain. Gives brighter pictures and clearer FM stereo reception. With 12 position fine tuning switch, coaxial cable and PAL plug. With best reception function. Loop with deflector and reflector optimizes your UHF reception. 15-9810 ..... 69.95

## Deluxe Rotating Type for Indoor Use



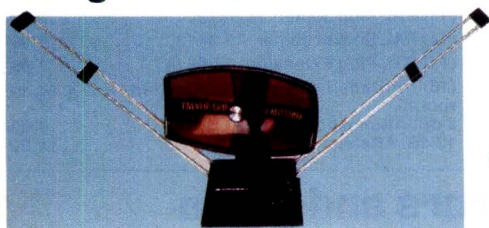
**NEW FOR 87**

**49<sup>95</sup>**

- With UHF "Yagi" Type Antenna for Even Better Reception

VHF/UHF/FM antenna with double telescopic dipoles extend to give you a great picture. With 12 position phasing switch and plenty of cable to attach to the TV. For areas where the reception is fair to good. Comes complete with full instructions showing how to maximize performance. 15-9628 ..... 49.95

## Budget Model Gives Great Reception



**NEW FOR 87**

**39<sup>95</sup>**

- With Double Telescopic Dipoles for VHF Signal

Get put into the picture for less. VHF/UHF and FM antenna so you get SBS and FM stereo as well as the regular VHF stations. With 12 position fine tuning switch. Designed for long life with rugged good looks. 15-9658 ..... 39.95

## Standard UHF/VHF

**27<sup>95</sup>**

- 12-Position Fine-Tuning Control



Sharpen your reception at low cost. Telescoping stainless steel dipoles. UHF loop. Easy installation. 15-628 ..... 27.95

## Budget VHF

**15<sup>95</sup>**

- Improves Picture On TV Channels 2 Through 13



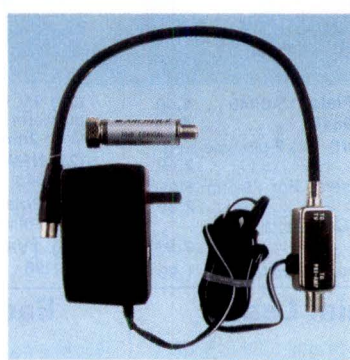
Our lowest priced VHF antenna. Telescoping dipoles, anti-skid base, easy installation. 15-958 ..... 15.95

## Back-of-Set VHF Antenna

**12<sup>95</sup>** Install it Yourself in Minutes



Mounts out-of-sight behind most TV sets. Improves reception on channels 2 through 13. Adjustable telescoping dipoles. Easy installation. 15-1804 .. 12.95



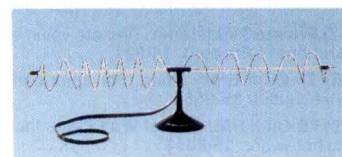
## 10 dB In-Line Coaxial Amplifier

**39<sup>95</sup>**

- Frequency Range 5-900 MHz
- Ideal for Antennas, Scanners, VCR's and Coaxial Feed Lines

In-Line Coaxial Amplifier. Place anywhere in signal path. Reduces loss from passive splitters, long cable runs. For UHF/VHF/FM — amplifies signals from 5 to 900 MHz. 75-Ohm input/output. Add power injector to coax where convenient. Includes power supply. 15-1117 ... 39.95

## Top of Set VHF Antenna



**8<sup>95</sup>**

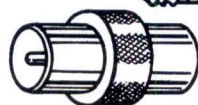
Improves reception in strong signal areas. For color, black and white. 15-9001 ..... 8.95

## White Co-Axial Lead with Female Adapter



**NEW FOR 87**

Low As **5<sup>95</sup>**

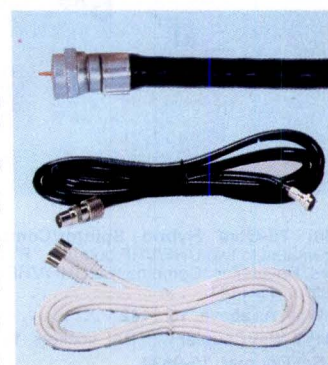


New technology cable with high isolation against RF interference to give you a better picture. Male-female cable with PAL plug adapter for male-male connections.

Length	Cat.No.	Price
1.5m	15-9526	5.95
2.5m	15-9527	7.95
5m	15-9528	11.95
7.5m	15-9529	14.95
10m	15-9530	17.95

## Co-Axial Cable and Leads

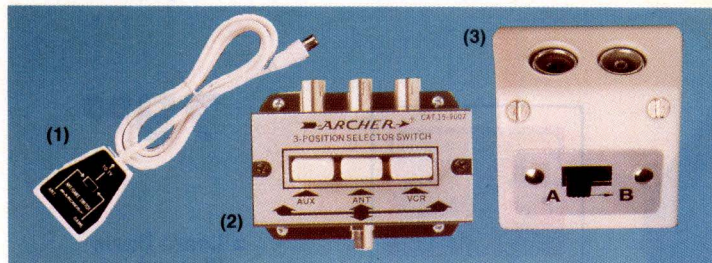
- (1) 2.44mm White Coax Cable. Male "F" connectors. 15-1530 ..... 4.99  
4.8m as above. 15-1531 ..... 6.95
- (2) 2m Coaxial Cable Extension. 75-ohm. Male "F" to PAL plug. 15-9541 ..... 6.95  
2m. 75-Ohm Co-axial lead PAL plug to PAL plug. 15-9542 ..... 5.95  
As above, but PAL plug to PAL socket. 15-9546 ..... 5.95
- (3) 4.5m Co-axial lead PAL plug to PAL plug. 15-9555 ..... 7.95  
PAL as above, but PAL plug to PAL socket. 15-9556 ..... 7.95  
2m. Co-axial lead with 75 to 300-ohm balun. 15-9533 ..... 6.95





# BOOST YOUR RECEPTION WITH OUR ACCESSORIES

## Divide Your Signal



- (1) **2-Way Switch.** Select from computer/TV game or TV antenna. 75-ohm PAL type connections. 15-9610 ..... 7.95
- (2) **3-Way Switch.** Allows one 75-ohm input/output to be connected to one of three 75-ohm lines. All with PAL connectors. Select TV antenna, computer or video recorder. 15-9607 ..... 12.95
- (3) **2-Way Reversible Switch.** 75-ohm input to two 75-ohm outputs. Switches one VCR to two TV sets and other applications. 15-9637 ... 7.95

## Mono to Stereo Converter



**39<sup>95</sup>** ■ Includes AC Adapter

Splits the mono signal and adds "stereo" reception to most mono products, even televisions. Simply connect to earphone jack or aux output to convert mono audio sound into stereo. Link with your hi-fi equipment for an even better developed sound. AC operation. Give your television sound a completely new dimension. 15-9914 ..... 39.95

### VCR/TV/FM Filter



**Cuts CB/Ham Interference** **6<sup>95</sup>**

High-pass LC (inductive-capacitive) filter installs inline at 75-ohm coaxial input of VCR, TV or FM. 15-579 ..... 6.95

### Coaxial Inline FM Trap



**For 75-Ohm Line** **3<sup>99</sup>**

Cuts interference from strong FM stations on your TV or VCR, reduces "herringbone" pattern. 15-577 ..... 3.99

### 75-Ohm Variable Attenuator



**Cuts Signal Overload** **5<sup>95</sup>**

Reduces strong signal overload on TV/VCR. Instantly connects inline to coaxial cable. 15-578 ..... 5.95

### Interference Filters



**6<sup>95</sup>** **2<sup>99</sup>**

**TV/FM Receiver Noise Filter.** Reduces interference caused by CB or Ham radios. For 300-ohm terminals. 15-581 ..... 6.95

**TV Interference Filter.** Cuts appliance or neon light static. Attaches to 300-ohm terminals. 15-582 ..... 2.99

### Video Dubbing

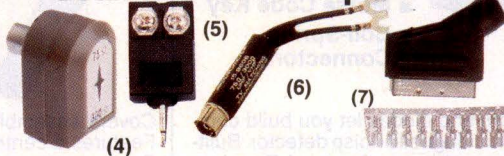
From **24<sup>95</sup>** Kits

■ Complete with Audio and Video Cables

**Archer® Mono Dubbing Kit.** Dub your own video tapes, from VHS to Beta or vice versa! Suits most Japanese VCRs, even early models. Color-coded plugs and instructions. Includes storage tray. 15-9900 ..... 24.95

**Stereo Video Dubbing Kit.** 15-9909 ..... 32.95

### Coaxial Cable Adapters



- (4) **Matching Transformer.** 75-ohm PAL to 300-ohm cable. 15-9639 ..... 2.99
- (5) **NEW! 300-ohm to 75-ohm Miniature TV Plug Adapter.** 15-1148 ..... 2.99
- (6) **Indoor Transformer.** 75-ohm PAL plug to 300-ohm. 15-9606 ..... 2.29
- (7) **NEW! 21-Pin SCART Plug.** 15-9531 ..... 4.99

### Matching Transformers

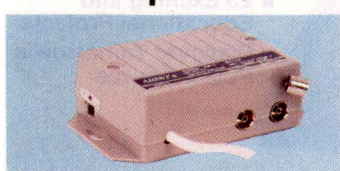


**4<sup>99</sup>** Each

**Antenna-mounted Transformer.** Converts 300-ohm out of antenna to match 75-ohm coax lead. Mounts with special clip, included. 15-1143 ..... 4.99

**300 to 75-Ohm Universal Mast Head Transformer.** 15-9740 ..... 4.99

### 2-Way Amplified Splitter



■ **2 x 6 dB Gain** **32<sup>95</sup>**

**UHF/VHF/FM Indoor Antenna.** 2-Way amplified splitter. Covers all Australian frequencies. With power supply. 15-9910 ..... 32.95



### Indoor UHF/VHF Amplifier

**NEW LOW PRICE**  
Was \$99.95 in 1986 Catalogue

**79<sup>95</sup>**

■ Split up to 8 Ways  
With Small Signal Loss

Improve your signal the easy way. Boosts the VHF signal by 37 dB and the UHF signal by 23 dB. Suitable for 75-ohm coaxial cable. AC operation. 15-9915 ... 79.95

### 4-Way Amplified Splitter



■ **4 x 6dB Gain with Variable Control** **79<sup>95</sup>**

**UHF/VHF/FM Indoor Antenna.** Amplified 4-way splitter with gain control and power supply. 15-9911 ..... 79.95

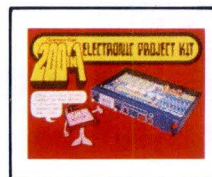


# SAFE, SOLDERLESS SCIENCE FAIR® KITS



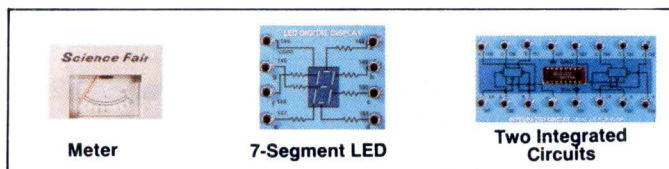
## 200-in-1 Electronic Project Kit

**79<sup>95</sup>**



Includes Complete  
108-Page  
Lab-Style Manual

- Learn Basic Electronics
- Fun for Adults And Children
- 100% Safe



Meter

7-Segment LED

Two Integrated  
Circuits

Our largest! Learn about transistors, diodes, capacitors and schematic symbols. Projects include a burglar alarm, telegraph, AM broadcast station and a digital timer. Moulded case with dust cover, out-front controls and speaker. Requires 6 "AA" batteries. **28-249 ..... 79.95**

## 60-Project Electronic Lab

**49<sup>95</sup>**

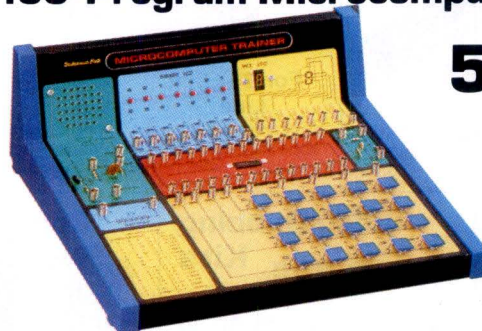


- Built-in Piezo Buzzer
- Morse Code Key
- Coil-Spring Connectors

Premounted transistors, capacitors, resistors and diodes let you build computer circuits, a radio, Morse code system and magnetic noise detector. Built-in electric motor and radio antenna coil. With earphone and manual. Requires 9V battery and 2 "AA" cells. **28-256 ..... 49.95**

## 100-Program Microcomputer Trainer

**59<sup>95</sup>**



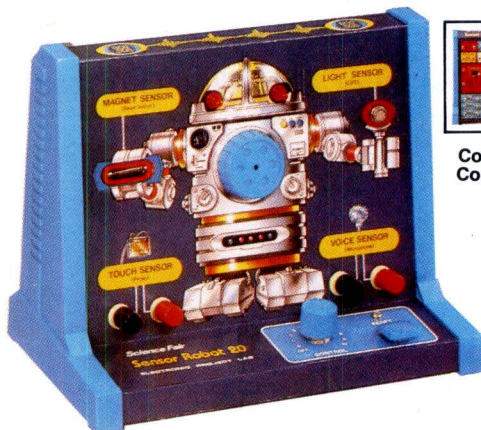
Includes Complete  
180-Page  
Programming Manual



Covers assembly language programming, binary and hexadecimal math. Features a central processing unit (CPU) and hexadecimal input keyboard. Seven preprogrammed games. Built-in audio amplifier and speaker. Clock timing circuit. Requires 6 "AA" cells. **28-260 ..... 59.95**

## Sensor Robot Electronic Project Lab

**34<sup>95</sup>**



Coil-Spring  
Connectors

- 20 Projects
- Perfect for Beginners

Join the age of Robotics. Built-in sensors respond to light, sound, magnetism and moisture. Projects include rain detector, burglar alarm and glass organ. Requires 9V battery. **28-162 ..... 34.95**

## Build a Kit That Captures Solar Energy

**34<sup>95</sup>**



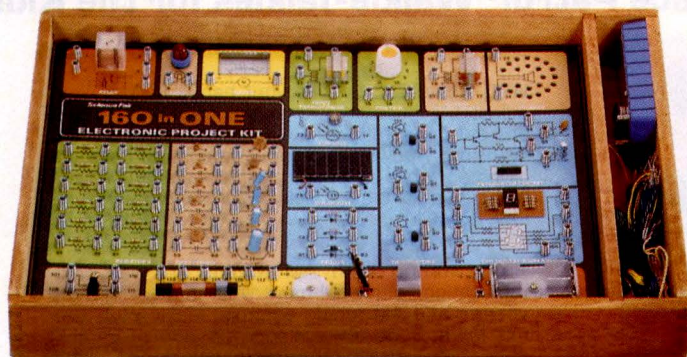
- 25 Exciting and Educational Projects
- Discover Tomorrow's Power Source

Silicon solar cells power most projects—all you need is sunlight or another source of bright light. Build radio receivers, a light-activated alarm, an electronic storage tank, simple computer circuits. Requires 9V battery. **28-255 ..... 34.95**



# THE FUN WAY TO LEARN ABOUT ELECTRONICS

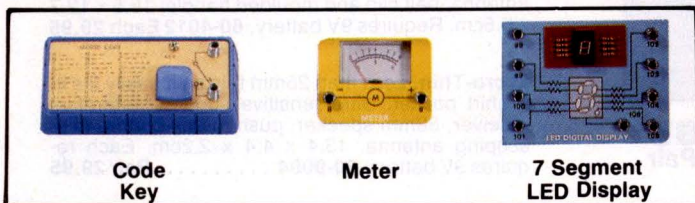
## Deluxe 160-in-One Project Kit



Includes Complete  
186-Page  
Lab-Style Manual

### 59<sup>95</sup>

- Start a Hobby in Electronics
- Built-in Speaker
- All Projects Solar or Battery Powered



Code  
Key

Meter

7 Segment  
LED Display

A great kit for any electronics enthusiast. Build a radio, learn about solar telemetry, experiment with computer circuits and a flip-flop lamp flasher, produce electronic sound effects. Parts are premounted with coil-spring assembly. And it's so safe for children. Requires one 9V and two "AA" batteries.

28-258 ..... 59.95

### AM/FM Project Kit



### 27<sup>95</sup>

Hear local AM and FM radio stations. Preassembled tuner. With earphone and volume control. Coil-spring assembly. Includes illustrated manual. Requires two "AA" cells.

28-175 ..... 27.95

### AM/Shortwave Project Kit



### 27<sup>95</sup>

Listen to broadcasts from distant shortwave stations or your local AM stations. Three bands: 520-1625 kHz; 5.5-10 and 9-16 MHz. With manual and earphone. Requires two "AA" cells.

28-176 ..... 27.95

### 30-in-1 Electronic Project Kit



- Safe and Fun
- Solderless

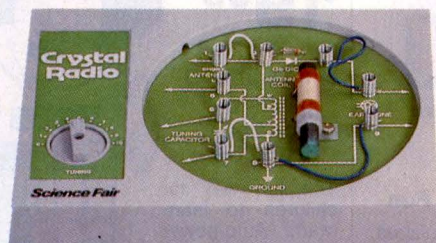
### 29<sup>95</sup>

Learn the basics of electronics. Build a radio, beacon light, alarm, timer and simple computer circuits. With earphone. Coil-spring assembly. Requires two "AA" cells.

28-161 ..... 29.95

### Crystal Radio Kit

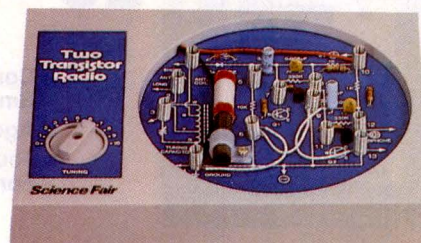
### 9<sup>95</sup>



Plays forever, without tubes, transistors or batteries. Like the first radios, a crystal converts RF to audio. Covers 550 kHz-1600 kHz AM band. With earphone, instructions, theory. Solderless. 28-219 ..... 9.95

### 2-Transistor AM Radio Kit

### 14<sup>95</sup>



Listen to all the local AM broadcasts on a radio you assembled yourself. Tunes the entire 550-1600 kHz band. Kit includes earphone and instruction manual. Requires 9V battery.

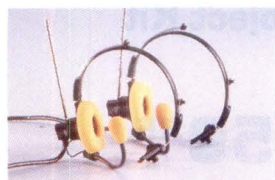
28-229 ..... 14.95



# ELECTRONIC TOYS FOR FUN AND EDUCATION

## Archer Space Patrol® Walkie-Talkies for the Kids

(All W/T conform to RFM E001)



**Our Best!**  
Includes Headsets  
With Boom Mikes

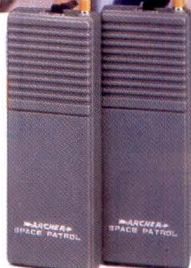


**34<sup>95</sup>**  
Pair

**NEW  
FOR 87**



**29<sup>95</sup>**  
Each



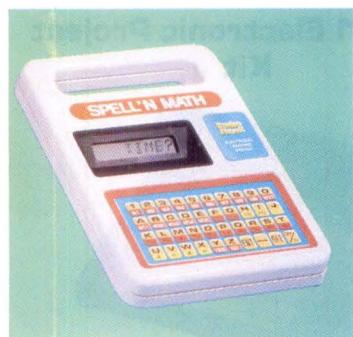
**29<sup>95</sup>**  
Pair

No License Required ■ Operate on 27MHz

**With Headsets.** Leaves your hands free. Built-in adjustable headset with boom mike covers just one ear, for safety while biking, jogging or driving. With rotary power on-off/volume control, headset-mounted whip antenna, push-to-talk button and belt clip. 10 x 6.5 x 4.7cm. Each requires 9V battery. **60-4011** ..... **Pair 34.95**

**Base Station With AM Radio.** Two-way communication plus full-band AM tuning. On-off/volume and AM tuning controls, locking talk button, Morse code key with code alphabet on detachable mike, walkie-talkie/radio selector. Flexible antenna, belt clip and moulded handle. 16.5 x 12.7 x 5.5cm. Requires 9V battery. **60-4012** Each **29.95**

**Micro-Thin.** Less than 25mm thin so it easily fits in a shirt pocket. Ultra-sensitive super-regenerative receiver, 38mm speaker, push-to-talk button, telescoping antenna. 13.4 x 4.4 x 2.2cm. Each requires 9V battery. **60-9004** ..... **Pair 29.95**



### Spell 'N Math

**NEW  
FOR 87**

**49<sup>95</sup>**

- Teaches Kids 5 and Up  
ABCs and Numbers
- 15 Mode Functions

Fun, and educational too. Includes pre-spelling activities, full-spelling activities, guessing games for letters or words. Math activities consist of the four rules of math, matching numbers and multiplication quiz. Easy to use keyboard. Requires 2 "AA" batteries. 18x25.5x3.5cm. **60-1093** ..... **49.95**

### Remote Control Mobile Armatron® Robot Arm

**89<sup>95</sup>**

**NEW  
FOR 87**

Advanced robotics! Use the hand-held wired controller to rotate the arm and hand in the proper direction to grasp, pick up and release objects, plus move and turn. You can perform "hazardous" scientific experiments in your "lab", move game board pieces, even add cream and sugar to your cereal! Rubber-coated pinchers, speed control. 35cm high at max. arm ext. Base, 15.8 x 21.5cm. Requires four "D" batteries.

**60-2396** ..... **89.95**



### Sing-A-Long Radio



**29<sup>95</sup>**

**NEW  
FOR 87**

- Controls Fit  
Small Hands
- Ages 4 and Up
- Tough Enough  
For Kids

Kids can listen to or sing along with their favourite music and performers. The large slider selects AM radio, or Sing-A-Long. Speaker gives clear high quality sound. Easy-to-read dial. Microphone storage compartment. Safe battery operation. 19.6 x 22.5 x 7.6cm. Requires 9V battery. **60-1088** ..... **29.95**

### Play 'N Learn

**NEW  
FOR 87**

**37<sup>95</sup>**



#### Learning With the Clown Is Fun

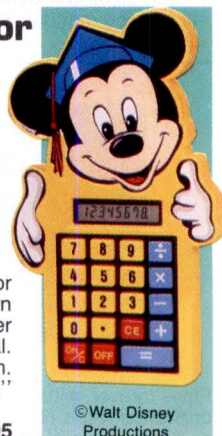
Has addition and subtraction quizzes, game key and multiplication tables. Includes 2 calculator functions. LCD display. On/off switch and automatic shut-off. Requires 2 "AA" batteries. 18.5x15x3cm. **60-1092** ..... **37.95**

### Mickey Mouse® Calculator

**19<sup>95</sup>**

- 8-Digit LCD  
Display
- For Ages  
3 and Up

The fun way for children to learn math. Auto-power off. With manual. 15.8 x 8.5 x 1.9cm. Requires 2 "AA" batteries. **60-2326** ... **19.95**



©Walt Disney  
Productions



# ELECTRONIC GAMES TO TEST YOUR SKILLS

All Our Chess Games Endorsed by Garry Kasparov—The World Champion



Solves Mate in Ten

## Deluxe Sensory Chess With Fast Response

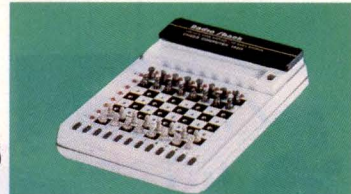
**179<sup>95</sup>** NEW FOR 87

**Radio Shack 1850.** For advanced or beginning players. Sensitive playing board with LED position indicators. Seventeen play-levels. Memory stores unfinished games. 3.8 x 36.9 x 24.2cm. Requires 4 "C" batteries. 60-2201 ..... **179.95**

## Sensory Pocket Chess

NEW FOR 87 **79<sup>95</sup>**

Available Nov. 15, 1986



**Pocket Chess That Will Instruct**

**Radio Shack 1450.** Learn beginning to intermediate chess. eight play levels. Long term memory. 4.1 x 20 x 13cm. Requires 3 "AAA" batteries. 60-2251 ..... **79.95**



## Table Sensory Chess With Fast Response

**129<sup>95</sup>**

**Radio Shack 1650 Tabletop.** For modern chess enthusiasts. Nine levels of play. Sensitive board with LED position indicators. Memory stores unfinished games. 1.5 x 28.5 x 23.4cm. Requires 4 "AA" batteries or AC adapter. 60-2194 ..... **129.95**

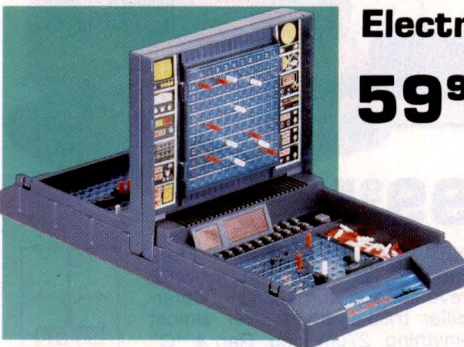
## Portable Sensory Chess

**99<sup>95</sup>**

9 Levels  
Of Play



**Radio Shack 1650 Portable.** LED position indicators. Computer "coaches" with move suggestions. Memory stores unfinished games for later play. 3.8 x 18.7 x 10.9cm. Requires 3 "AA" batteries. 60-2187 ..... **99.95**



## Electronic Sea Battle Game

**59<sup>95</sup>**

- Four Exciting Games Of Military Strategy
- Play an Opponent or Against the Computer

Fire salvos at enemy ships hidden on the opposite grid-pattern sea. Sound effects and lights indicate if you've scored a "hit" or a "miss." The last ship afloat wins the battle. Requires 4 "AA" batteries. 60-2193 ..... **59.95**

## 12-Game Arcade

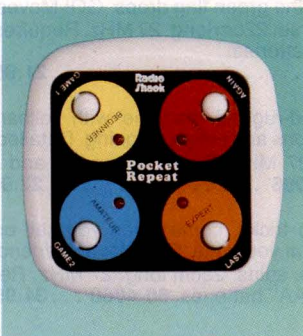
**37<sup>95</sup>**

Easy-Punch Buttons

Play baseball, casino roulette, fire torpedoes to sink ships, more. 5.7 x 24.7 x 18.4cm. Requires one 9V and 4 "C" batteries. 60-2159 ... **37.95**



## Pocket Repeat

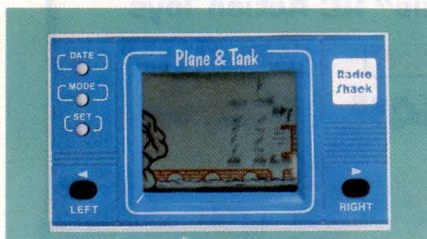


**21<sup>95</sup>**

The  
Portable  
Memory  
Game

Plays a random series of notes—you must play them back in the same order or you lose. Two different skill levels. 3.3 x 7.9cm. Requires 9V battery. 60-2152 ..... **21.95**

## Plane & Tank Battle



LCD Display NEW FOR 87 **16<sup>95</sup>**

Your mission is to get your tanks across the bridge, but watch out for enemy bombers! Two game levels—play at normal or fast speeds. 5.3 x 9.2 x 1.2cm. With RS-386A battery. 60-2196 ..... **16.95**

## Programmable Organ



NEW FOR 87

Create Your  
Own Tunes!

**34<sup>95</sup>**

Plays up to eight well-known tunes from memory. Switch to manual play and you can be as creative as you want. Play on the 25-key organ and record your tune in the memory for later playback. Vibrato function gives back ground beat if wanted. 37.5 x 12 x 3.5cm. Requires 4 "C" batteries. 60-1091 .. **34.95**



# RADIO-CONTROLLED TOYS KIDS REALLY LOVE

## Powerful 2-Speed Off-Road Vehicles



**89<sup>95</sup>**

Four-Wheel  
Drive

**69<sup>95</sup>**

Climbs 35°  
Inclines

**4x4 Off-Roader.** High-traction 4-wheel drive and super-size tires get you past "back country" roads. 31cm long. 27 MHz. Requires 2 9V and 4 "AA" batteries. 60-4057 ..... **89.95**

**Off-Road Champ.** Finish in first place with this rugged racer. Differential gear for smooth cornering. 29cm long. 27 MHz. Requires 2 9V and 4 "AA" batteries. 60-4055 ..... **69.95**



## Sleek Digital Proportional Racers



**129<sup>95</sup>**

**79<sup>95</sup>** Direct Response  
To Commands

**NEW! Turbo Off-Road Buggy.** Built to take any treatment. Front and rear suspension, balloon tires and, of course, turbo charger. 29cm long. Req 8 "AA" batts. 60-9505 ... **129.95**

**Turbo Racer.** Digital proportional steering for control. Dual-stick transmitter. 29cm long. 27 MHz. Requires 2 9V and 4 "C" batteries. 60-4056 ..... **79.95**



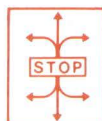
## Sleek High-Speed Ferrari



**54<sup>95</sup>**  
EACH

Dual frequencies let you race against a friend. Authentic styling. Multi-function remote control. 27cm long. Requires two 9V and 4 "C" batteries.

40 MHz. 60-4063 ..... **54.95**  
27 MHz. 60-4062 ..... **54.95**



## Fast-Paced Action Nissan



**37<sup>95</sup>**  
EACH

It's a high-speed race for the flag against the clock or another driver. 20cm long. Requires two 9V and 3 "AAA" batteries.

27 MHz. 60-3094 ..... **37.95**  
49 MHz. 60-3095 ..... **37.95**



## Remote Flexmobile



**99<sup>95</sup>**

**NEW! Remote Controlled Flexmobile.** Turn left, right, forward, reverse and turns 360°. Caterpillar tracks drives over almost anything. 27cm long. Req 4 "C" and two 9V cells. 60-8005, **99.95**



## Take Command of These "Funtastic" RC Action Toys



**21<sup>95</sup>**

**27<sup>95</sup>**

**34<sup>95</sup>**

**49<sup>95</sup>**

**Lamborghini.** When the green flag drops, GO! Moves forward, turns in reverse. 22cm long. 27 MHz. Requires two 9V and 4 "AA" batteries. 60-4051 ..... **21.95**

**Chevy Pickup.** Road-rugged machine with rollbar. Tackles tough conditions and keeps on going. Detailed 22cm long. 27 MHz. Requires two 9V and 4 "AA" batteries. 60-3093 ..... **27.95**

**Puppy.** Make him do tricks, come when you call or follow along faithfully at your side. Cute, lovable friend moves forward, stops, spins. 22cm long. 27 MHz. Requires one 9V and 3 "AA" batteries. 60-4060 ... **34.95**

**Talking Robie® Robot.** Just speak into the hand control to make Robie "talk" with your voice. Hands manually grip objects and arms move up and down. Light gives realistic look. 22cm high. 40 MHz. Requires two 9V and 4 "AA" batteries. 60-4061 ..... **49.95**



# TANDY'S REMOTE CONTROLLED TOYS

## Remote Control Robie™ Jr. Performs at a Touch



NEW  
FOR 87

**179<sup>95</sup>**

*He Really  
Talks!*

Ultrasonic Remote  
Control Lets You  
Move Him Forward,  
Backward, Turn  
Him Right or  
Left—He'll Even  
Follow After You  
On His Own!

Removable Carry Tray ■ Speaks 11 Different Phrases ■ Movable Arms

Amazing entertainment for the entire family! Turn Robie Jr. on and he greets you by saying "hello". Then select either "stay" or "walk" mode. In the "stay" mode, the hand-held transmitter controls his actions. He'll wait for you to tell him which direction to go. In the "walk" mode, he'll move forward until he runs into an obstacle or you change his direction. If he bumps into something, he speaks and automatically changes direction. Flip the "follow" switch and he'll follow you anywhere you go. And he'll automatically change directions whenever you do. But watch out, Robie Jr. is a playful robot. He has two kinds of characters, "good" and "bad". When he's a good robot he'll follow you anywhere. But when he's a bad robot he moves away from you and says "catch me." You can make Robie Junior talk by pressing either of his hands down. Use his carry tray to have him bring you things like toys, pencils or candy. 450cm control range. 27cm high. Requires one 9V and 4 "D" batteries. **60-2397 . . . . . 179.95**

## Programmable Robie Sr.



NEW  
FOR 87

**379<sup>95</sup>**

Program His Movements On the Built-In Cassette

Use the remote control to move Robie Sr. forward, backward, right and left at your command. Or program him to move, make robot sounds and speak in your own voice, plus play pre-recorded tapes. Transmitter mike lets you project your voice through his built-in speaker. Robie Sr. has headlight eyes and his mouth flashes when he talks. Built-in clock/timer with LCD display, detachable tray and lockable grasping hand. Battery check and power indicators. 48cm high. Includes rechargeable battery with AC charger. Also requires 6 "AA" batteries. **60-2398 . . . . . 379.95**

## Radio Controlled Australia II Scale Model



Support the defence with  
this 1:38 scaled copy

NEW  
FOR 87

**99<sup>95</sup>**



Sail your own replica yacht to victory!! A detailed 1:38 scale model of the boat that snatched the America's Cup. Show you're "fair dinkum" by building and racing your own remote controlled Australia II. It even has its own winged keel! And it's exclusive to Tandy! It's great for the family pool, the sea or ponds. And back in port, it makes a stylish addition to any mantelpiece. Length: 51cm, height with mast: 81cm. Remote control requires one 9V and 4 "AA" batteries. **60-9507 . . . . . 99.95**

## Fire Fighting Cruiser



NEW  
FOR 87

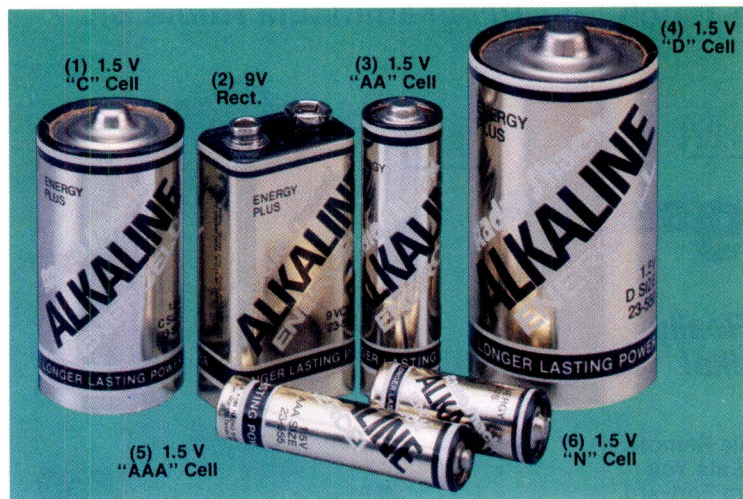
**89<sup>95</sup>**

Fight fires anywhere with this fully directionable speedboat. Travel forward, reverse; turn left and right. Activate the Fire hose from the remote control. Automatic bilge pump operates in forward mode. Use the optional AC adapter to recharge nicad batteries in the unit. 42cm long. Requires 4 "C" and "AA" batteries. 9V cell for remote control. **60-9504 . . . . . 89.95**

Prices Apply at All Tandy Stores and Participating Dealers



# MAKE TANDY ELECTRONICS YOUR OWN 'POWER HOUSE'



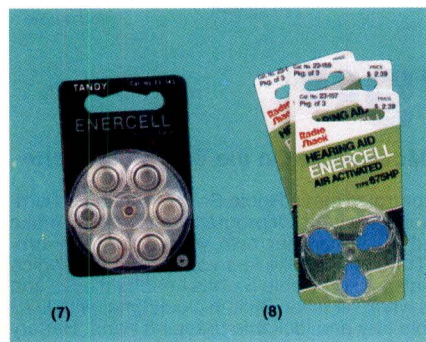
## Premium-Quality Alkalines for The Long-Lasting Power You Need

- Our Best, Longest Lasting Non-Rechargeable Batteries
- Long Shelf Life ■ High Output at Low Temperatures
- Anti-Corrosion Contacts

Each of our exclusive alkalines delivers top performance even under high current drain and retains full power during long-term storage. For all standard uses.

Fig.	Cell Type	Replacement for			Cat. No.	Price
		Ray-O-Vac	Eveready	Duracell		
1	"C"	814	E93	MN1400	23-551	Pkg. 2/3.99
2	9V Rect.	A-1604	522	MN1604	23-553	Each 3.99
3	"AA"	815	E91	MN1500	23-552	Pkg. 4/4.99
4	"D"	813	E95	MN1300	23-550	Pkg. 2/4.99
5	"AAA"	824	E92	MN2400	23-555	Pkg. 2/2.99
6	"N"	81C	E90	MN9100	23-023	Pkg. 2/2.99

## Rely on These Quality Hearing Aid Battery Packs



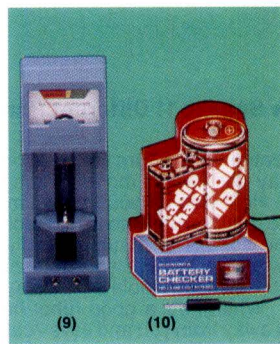
### (7) Mercury-Powered Packs - 1.4V

Radio Shack	Replaces			Cat. No.	Price
	Eveready	Ray-O-Vac	Duracell		
P675M 13M	EP675 E13E	RP675 R13	MP675H RM13	23-145 23-146	Pkg. 6/5.95 Pkg. 6/4.95

### (8) Air-Activated Packs - 1.45V

Radio Shack	Replaces			Cat. No.	Price
	Eveready	Ray-O-Vac	Duracell		
675HP 13HP 312HP	AC675E AC13E AC312E	R675ZA R13ZA R312ZA	DA675 DA13 DA312	23-157 23-158 23-159	Pkg. 3/5.95 Pkg. 3/5.95 Pkg. 3/5.95

## Easy-to-Use Battery Checkers



Low As **6<sup>95</sup>**

For All Popular Sizes

(9) Handy Checker. Tests D/C/9V/AA/AAA/N in zinc-carbon, alkaline, mercury, nickel-cadmium.

22-096 ..... 11.95

(10) Radio Shack Checker. For D/C/9V/AA/AAA sizes. 22-098 ..... 6.95



## ENERCELL Calculator Batteries

- Extra Protection Against Leakage
- Keep Working Longer and Harder

Power for your watch or calculator for a long, long time before replacement is required! Store at room temperature for long life.

Radio Shack	Replaces			Cat. No.	Each
	Eveready	Ray-O-Vac	Duracell		
76	EPX76	RW22/42	D357	G13, 541	23-009 2.99
389	389	RW49	D389	G10, V10GS	23-101 1.99
392	392	RW27/47	D392	G3, 547	23-102 1.99
393	393	RW28/48	D393	G5, 546	23-103 2.99
303	303		D303	GS14, 521	23-104 3.99
357	357	RW22/42	D357	G13, 541	23-105 3.99
386	386	RW24/44	D386	G12, 548	23-106 2.99
391	391	RW40	D391	G8, V8GS	23-107 2.99
323	323	RW58	D323	Type C, 506	23-108 1.99
343	343	RW56	D343	Type B, 509	23-109 2.99
362	362	RW310	D362	Type S, 532, SR721	23-110 1.99
364	364	RW320	D364	Type T, 531, SR621	23-111 1.99
396	396	RW411	D396	Type V, 556, SR726	23-112 1.99
399	399	RW413		Type W, 543, SR926	23-113 2.99
P675	EP675	RP675	MP675	8107, M13	23-1521 Pkg. 2/2.99
390	390	RW39/390	D390	603, 534, SR1130	23-201 1.99
329	329			24, 525	23-202 1.99

## Extra-Performance Batteries

For Games And Calculators

Lithium  
**2<sup>69</sup>** Each  
Alkaline  
**1<sup>29</sup>** Each



Lithium

Alkaline

Type	Radio Shack	Replaces			Cat. No.	Each
		GE	Eveready	Duracell		
Lithium	CR2016H	CR2016	E2016	DL2016	23-160	2.69
Lithium	CR2025	CR2025	E2025	DL2025	23-161	2.69
Lithium	CR2032	CR2032	E2032	DL2032	23-162	2.69
Lithium	CR1620	.....	.....	.....	23-164	2.69
Lithium	BR2020	.....	.....	.....	23-165	2.69

Type	Radio Shack	Replaces			Cat. No.	Each
		Ray-O-Vac	Eveready	Maxell		
Alkaline	357A	RW82	A76	LR44	23-115	1.29
Alkaline	386A	RW84	186	LR43	23-116	1.29
Alkaline	389A	RW89	189	LR1130	23-117	1.29
Alkaline	391A	.....	191	LR1120	23-118	1.29



# ENERCELLS ARE ALWAYS FRESH & STRONG



## Reliable Batteries for General-Purpose Use

- Cost Less Than Most Brands
- Protected Against Leakage
- Always Fresh and Strong

Our most popular batteries! Compare the other brands and you will see what a great value these batteries really are.

Fig.	Cell Type	Replacement for		Cat. No.	Each
		Eveready	Ray-O-Vac		
1	"C"	935	14	23-467	.59
2	"D"	950	13	23-466	.69
3	9V Rect.	216	1604	23-464	.89
4	"AA"	915	15	23-468	.39
5	6V	509	941	23-006	7.95

## Get Your Free Battery Card!



Up To **10<sup>68</sup>** Value

Join our Battery-A-Month Club and get one General-Purpose "D", "C", "AA" or 9V ENERCELL each month for a year! No obligation, nothing to buy! Come in and get your FREE card today!

At participating Tandy Electronics stores & dealers. 6V lantern excluded.

If Battery Card is missing from catalogue, call on your nearest Tandy Store for one.

## ENERCELL® Extra-Life Batteries for Heavy-Duty Use

Longer Life for Only

- "Miracle Seal" Provides Greater Leak Protection Than Ordinary Batteries
- Up to 3 Years Shelf Life ■ Steel Case

Specially processed electrolyte core provides longer service life than "regular" batteries. That means fewer replacements. Stock up!

Fig.	Cell Type	Replacement for		Cat. No.	Each
		Eveready	Ray-O-Vac		
6	6V	1209	944	23-016	9.95
7	"D"	1250	6D	23-580	.99
8	"C"	1235	4C	23-581	.89
9	9V Rect.	1222	D1604	23-583	1.69
10	"N"	E90	810	23-585	.49
11	"AAA"	912	400	23-584	.49
12	"AA"	1215	5AA	23-582	.69



## 6V Battery Holder



**5<sup>95</sup>**

NEW FOR **87**

What a great idea! Holds four "D" size cells to replace 6V lantern batteries in torches and lanterns. Holder is shaped to fit 6V battery size exactly and is made to last. Use nicad "D" size batteries and instead of throwing a used 6V away, recharge them and save even more. 270-9540 . . . . 5.95



## "Hard-to-Find" Batteries

Fig.	Volts	Ever-easy	Equivalent Types		Cat. No.	Price
			Ray-O Vac	Dura-cell		
13	12	732	926	M926	23-007	19.95
14	1.45	AC675	R675ZA	DA675	23-150	2/4.99
15	1.35	E625	T625N	RM625	23-462	2.99
16	1.35	EPX13	.....	PX13B	23-470	5.95
17	1.4	E640	T640-1	RM640	23-1515	5.95
18	7.0	E175	T175	TR175	23-601	12.95
19	1.4	E401	T401	RM401	23-660	4.99
20	12.0	.....	.....	.....	23-144	1.99
21	6.0	A544	RPX28	PX28L	23-469	11.95

## Sealed Lead Acid Batteries



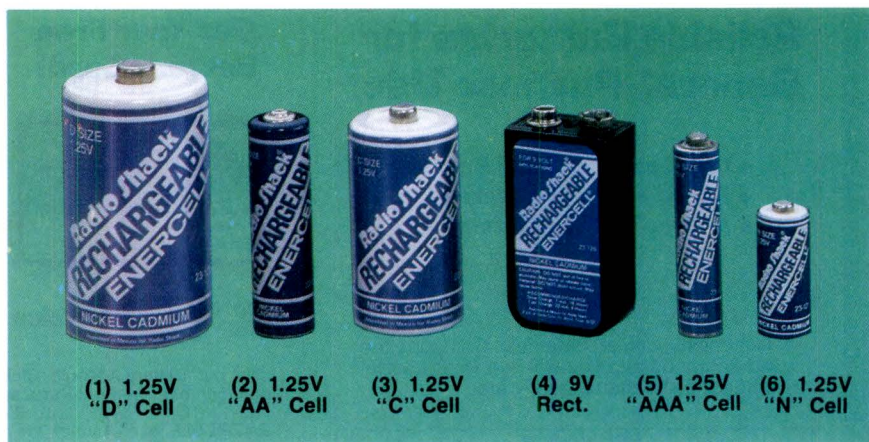
For Burglar Alarm Systems (House, Car) Video Cameras etc.

From **24<sup>95</sup>**

Discharge 60 mA. Charge 120 mA 10-14 hours. 100 x 53mm. 600g. 23-9601 . . . . . 24.95  
Discharge 130 mA. Charge 270 mA 10-14 hours. 134 x 68 x 60mm. 23-9602 . . . . . 39.95  
240 VAC to 12 VDC charger. For above batteries. Suits both types. 23-9603 . . . . . 12.95



# SAVE MONEY WITH ENERCELL® RECHARGEABLES



## Nickel-Cadmium Batteries Give You Reusable Power

Keep Working Long After Other Types Wear Out

Perfect for the battery-operated equipment you use often. You can recharge these ENERCELLS with one of our chargers on this page. Although nickel-cadmiums cost more than ordinary batteries, they actually cost less in the long run because they are reusable over and over again!

Fig.	Cell Type	Volts	Amp Hour	Replacement for			Cat. No.	Price
				Eveready	GE	Duracell		
1	"D"	1.25	1.1	CH50	GC3	NC13	23-123	Pkg. of 2/13.95
2	"AA"	1.25	0.450	CH15	GC1	NC15	23-125	Pkg. of 2/9.95
3	"C"	1.25	1.1	CH35	GC2	NC14	23-124	Pkg. of 2/12.95
4	9-Volt*	7.2	0.065	CH22	GC9	NC1604	23-126	Each/18.95
5	"AAA"	1.25	0.150	CH12	—	NC24	23-127	Pkg. of 2/9.95
6	"N"	1.25	0.150	—	—	—	23-121	Pkg. of 2/9.95

\*9V applications

## Chargers to Fit Any Budget

Our Finest Battery Charger

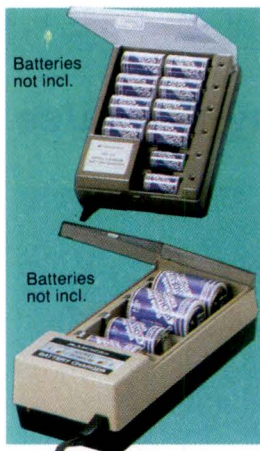
**49<sup>95</sup>**

Charges up to 10 "C", "D" or "AA" batteries in any combination of twos, or up to three 9V batteries. Charges "AAA" and "N" batteries with optional modules below. 240VAC use. 23-9503 . . . . 49.95

Low-Priced Charger for Popular Types

**24<sup>95</sup>**

For use with "D", "C", "AA" and 9-volt batteries. Recharges two pairs of different size nickel-cadmiums at the same time (total of four batteries). 240VAC use. 23-9502 . . . . . 24.95



Batteries not incl.

Batteries not incl.

## Chargers on a Budget

**19<sup>95</sup>**

"AA" and "AAA" Charger



Batteries not incl.

**12<sup>95</sup>**

Automatically regulated to prevent overcharging. Recharges up to six batteries in 14 to 16 hours. See-through cover. 240 VAC use. 23-9504 . . . . . 19.95

9-Volt Battery Eliminator. Has snap-type connector for using with rectangular 9V batteries. 270-9152 . . . . . 12.95

## Transistor Battery Charger

**9<sup>95</sup>**

Battery not incl.

For nickel-cadmium transistor batteries only. 240VAC use. 23-9501 . . . . . 9.95

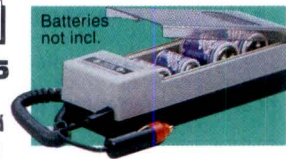


## Portable Charger

**NEW FOR 87**

**24<sup>95</sup>**

Batteries not incl.



Regulated Charging

Now you can recharge "C", "D", "AA" and 9V nickel-cadmium batteries while in your car, truck or RV. Just plug charger into the lighter socket and recharge 2 or 4 different-size batteries, or two 9V batteries, simultaneously. Recharges in 14 to 16 hours. 12VDC neg. or pos. gnd. 23-139 . . . . . 24.95

## HI-CAPACITY™ Cells Stay Charged Longer

### Heavy-Duty Design for Long Life

- Outperform Regular Nickel-Cadmium Batteries
- Always Fresh, Strong and Dependable



Low As **11<sup>95</sup>**

Great for high-drain equipment where dependability is a must. HI-CAPACITY batteries last much longer than regular nickel-cadmium batteries before requiring a recharge.

Fig.	Cell Type	Volts	Amp Hours	Cat. No.	Each
7	"D"	1.25	4.0	23-140	16.95
8	"C"	1.25	1.8	23-141	11.95

## HI-CAPACITY Battery Charger

**32<sup>95</sup>**

Batteries not incl.



Not for regular nickel-cadmiums.

For the higher current required to recharge HI-CAPACITY "C" and "D" batteries. Charges up to four batteries—two different sizes at once. 240VAC use. 23-9538 . . . . . 32.95

## REPLACE-A-CELL™ Nickel-Cadmiums

Not available until Feb. '87

**12<sup>95</sup>**

**NEW FOR 87**

Pkg. of 2



For Cordless Equipment

**9<sup>95</sup>**

Pkg. of 2



## Save Money! Replace Only the Bad Batteries In Cordless Devices and Not the Whole Pack

Now you don't have to pay or wait for "exact replacement" battery packs! REPLACE-A-CELL is available in two popular sizes. Solder tabs for easy hookup. Also great for making your own battery pack.

"Sub C" Size. 1.10 Ah, 1.25v.

23-190 . . . . . Pkg. of 2/12.95

"AA" Size. 0.45 Ah, 1.25v. 23-191 . . . . . Pkg. of 2/9.95



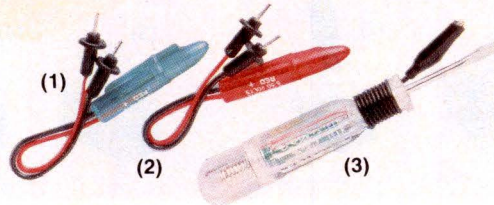
# USE ARCHER® LAMPS AND ASSEMBLIES

## Long-Life Replacement Lamps

Fig.	Volts	mA	Type	Base	Cat. No.	Pkg. of	Price
(1)	1.5	25	—	Leads	272-1139	1	1.39
	6.0	25	—	Leads	272-1140	1	1.39
	12.0	25	—	Leads	272-1141	1	1.39
(2)	6.0	100	T-1 <sup>3</sup> / <sub>4</sub>	E-5 Threaded	272-1142	2	1.49
	12.0	75	T-1 <sup>3</sup> / <sub>4</sub>	E-5 Threaded	272-1143	2	1.49
(3)	2.33	270	243*	E-10 Threaded	272-1124	2	1.09
	2.47	300	14	E-10 Threaded	272-1132	2	1.29
	6.3	150	40	E-10 Threaded	272-1128	2	1.29
	6.3	250	46	E-10 Threaded	272-1130	2	1.29
	7.5	220	50	E-10 Threaded	272-1133	2	1.49
	14.0	200	1487	E-10 Threaded	272-1134	2	1.39
	14.0	200	52	E-10 Threaded	272-1127	2	1.49
(4)	2.33	270	PR-4	Flange	272-1122	2	1.09
	2.38	500	PR-2	Flange	272-1120	2	1.09
	3.57	500	PR-3	Flange	272-1121	2	1.09
	4.8	500	PR-15	Flange	272-1125	2	1.09
	5.95	500	PR-12	Flange	272-1123	2	1.09
(5)	2.4	600	K1	Flange-Krypton	272-1156	1	1.49
	2.4	830	K2	Flange-Krypton	272-1157	1	1.49
	3.6	800	K3	Flange-Krypton	272-1158	1	1.49
(6)	6.3	250	44	Bayonet	272-1108	2	1.09
	6.3	150	47	Bayonet	272-1110	2	1.09
	6.3	150	130	Bayonet	272-1155	2	.99
	14.0	230	1891	Bayonet	272-1112	2	1.09
(7)	8.0	300	T-3	End Cap	272-1136	2	1.99
	12.0	250	T-3	End Cap	272-1137	2	1.99
(8)	12.0	40	—	Bi-Pin	272-1154	1	1.79
	12.0	40	—	Bi-Pin	272-1154	1	1.79
(9)	120	(Uses 22k resistor)	NE2H Neon	1/4W	272-1102	2	1.09

\*Prefocus. Can replace #222. †High-Intensity.  
All bulbs are incandescent type unless otherwise noted.

## Home and Vehicle Wiring Testers



(1) **High-Voltage AC/DC Quick-Tester.** 90 to 500 volts. For quick checks on house wiring, electrical and electronic devices. Neon bulb indicates live circuit.

272-201 ..... 1.59

(2) **Low-Voltage AC/DC Quick-Tester.** 5 to 50 volts. Ideal for checking automotive wiring and battery-operated devices. LED indicates live circuit and shows DC polarity.

272-202 ..... 1.99

(3) **Continuity Tester.** Helps spot broken wiring, burned-out bulbs. Replaceable #222 bulb. Requires "AAA" battery. *Not for use in live circuits.* 22-4035 ..... 8.95

## 12V Flashing Lamps

NEW FOR 87

**1.79** Pkg. of 3

Great for hobby projects and model train layouts. One each: yellow, red, green. 95 mA. 10.2cm wire leads.

272-1097 ..... Pkg. of 3/1.79

## Automotive Lamps

NEW FOR 87

**1.79** Pkg. of 3

Great for hobby projects and model train layouts. One each: yellow, red, green. 95 mA. 10.2cm wire leads.

272-1097 ..... Pkg. of 3/1.79

## Colored Mini Lamps

NEW FOR 87

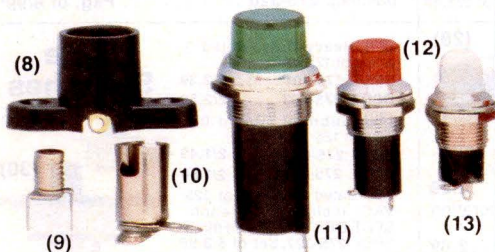
**1.49** Pkg. of 3

Ideal for lighting doll house interiors, railroad signal units, model car tail lights and other projects. One each: yellow, red, green. 60 mA. 12.1cm leads. Available in 6V, 272-1098, or 12V, 272-1099.

Tandy now has a great selection of premium quality replacement bulbs to fit most domestic and import vehicles.

Fig	Volts	Type	Primary Use	Cat. No.	Price
4	13.5	1156	Backup Turn Signal	272-1159	2/3.59
5	13.5	1157	Parking, Stop, Turn, Tail	272-1160	2/3.79
6	13.0	67	License	272-1161	2/3.19
7	6.3	259	Gen. Purpose	272-1152	2/1.59

## Lamp Holders Without Bulbs



(8) **E-10 Lamp Holder.** Moulded base can be mounted on a flat surface. With screws. 272-356 ..... 1.39

Incandescent Holders. In packages of 6.

(9) **For E-5 (T-1<sup>3</sup>/<sub>4</sub>) Threaded Base.** 272-354 ..... 1.99

(10) **For Bayonet Base Lamps.** 272-355 ..... 1.99

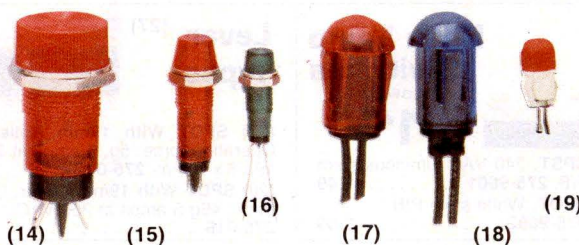
**Mini Panel Lamps.** One lamp holder with one red and one green lens. Length, 3cm

(11) **For Bayonet Base.** 272-325 ..... Each/2.99

(12) **For E-5 Threaded (T-1<sup>3</sup>/<sub>4</sub>) Base Lamps.** 1x2.7cm. 272-326 ..... Pkg. of 2/3.29

(13) **E-5 Holders.** Includes two red and two white lenses. 272-340 ..... Pkg. of 2/2.49

## 12V Lamp Assemblies & Bulbs



(14) **"Jumbo" Red.** 105 mA. For 19/32" hole. Solder tabs.

272-336 ..... 3.69

(15) **High-Brightness Red.** Solder terminals. For 9/32" mounting hole.

272-331 ..... Pkg. of 2/2.29

(16) **Green Micro.** With leads. 60 mA. Require 7/32" mounting holes, metal panel recommended. 272-334 ..... Pkg. of 2/2.99

(17) **Red Snap-In.** For 1/2" hole. 272-332 ..... Pkg. of 2/2.29

(18) Similar to Fig. 17 but blue lenses.

272-335 ..... Pkg. of 2/2.29

(19) **6 Volt.** Two red and two yellow lenses and two snap-in bases for 5/16" holes. Solder terminals. 272-341 ..... Pkg. of 2/2.29

## 120V Neon Lamp Assemblies



(20) **New Low Price! Amber.** Require 9/32" diameter mounting holes.

272-707 ..... Pkg. of 2/2.69

(21) **Green.** With leads. Fit 5/16" mounting hole.

272-708 ..... Pkg. of 2/3.49

**Neon Panel Lamp Assemblies.** For 7/16" mounting holes.

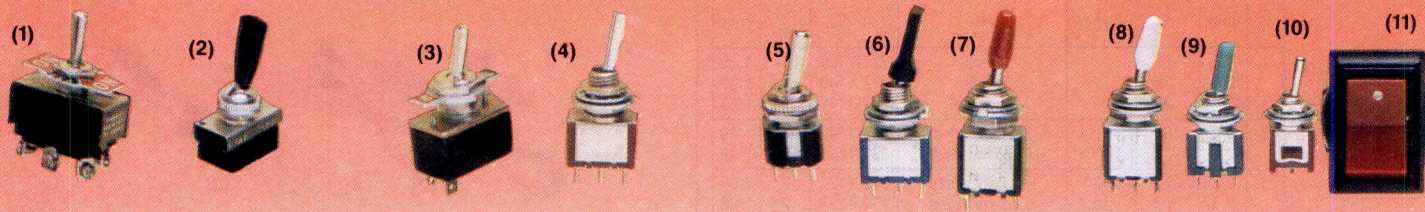
(22) **Red, Square Lens.**

272-704 ..... 2/3.29



# SWITCHES FOR PROJECTS AND REPLACEMENT

## Panel-Mount Switches—Complete With Hardware and Pin Diagram



(1) **Heavy-Duty DPDT Center-Off.** Rated 10 amps at 125 VAC. Features screwdriver terminals for easy hookup and includes on-off-on label plate. Body size: 19 x 35 x 35mm. Mounts in 7/16"-diameter hole. **275-1533** . . . **3.89**

(2) **Heavy-Duty AC.** Rated 6 amps at 250 VAC. Features 10 x 25mm-long lever and solder lug terminals. Body size: 25 x 16 x 16mm. Mounts in 7/16"-diameter hole.

**SPST. 275-651** . . . **4.39**  
**SPDT. 275-654** . . . **4.79**  
**DPDT. 275-652** . . . **5.29**  
**DPDT Center-Off. 275-653** . . . **5.49**

(3) **Standard Toggles.** Rated 3 amps at 125 VAC. With on/off label plates. Body: 38 x 14 x 25mm. Mounts in 7/16" hole.

**SPST. 275-602** . . . **1.99**  
**DPDT. 275-666** . . . **2.79**  
**Set. 1 DPDT, 2 SPST. 275-322,** . . . **3/5.49**

(4) **Flatted Lever Switches.** 6 amps at 125 VAC. Body: 10 x 11 x 6mm. Requires 1/4" mtg. hole. **SPDT. 275-635** . **5.95**  
**DPDT. 275-636** . . . **5.95**  
**DPDT Momentary. 275-637** . . . **5.95**

(5) **SPDT Mini-Toggle.** 5 amps at 125 VAC. 16 x 10mm. Requires 7/16" mtg. hole. **275-603** . . . **2.99**

(6) **Mini Toggles.** 6 amps at 125 VAC. Body: 35 x 13 x 13mm. Mtg. hole: 1/4".

**SPDT. 275-662, 4.99 SPDT. 275-663, 5.95**

**DPDT Center-Off. 275-664** . . . **5.95**  
**3PDT. 275-661** . . . **6.95**

(7) **Submini Toggles.** 10 amps at 125 VAC. Each includes four colored handle covers. 13 x 11 x 13mm. 1/4" mtg. hole.

**SPST. 275-324, 3.99 SPDT. 275-326, 4.19**

**SPDT Center-Off. 275-325** . . . **4.79**

**DPDT. 275-1546** . . . **4.89**

**DPDT Center-Off. 275-1545** . . . **4.99**

(8) **Micromini Toggles.** Rated 3 amps at 125 VAC. Body size: 6 x 8 x 5mm.

**SPST. 275-624, 3.29 SPDT. 275-625, 3.49**  
**DPDT. 275-626** . . . **4.19**

(9) **Submini Toggles.** 3 amps at 125 VAC. Body: 10x6x10mm. 1/4" mtg. hole.

**SPST. 275-612, 3.19 SPDT. 275-613, 3.39**  
**DPDT. 275-614** . . . **4.29**

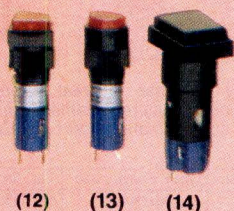
**DPDT Center-Off. 275-620** . . . **4.79**

(10) **Submini SPST PC-Mount Toggle.** 0.3 amp at 125 VAC. Body: 10 x 10 x 6mm. **275-645** . . . **3.09**

(11) **Rocker Switches.** Rated 6 amps at 125 VAC. Body size: 30 x 19 x 35mm. Mount in 3/4" hole.

**SPST. 275-690, 3.89 DPDT. 275-691, 4.99**

## Lighted AC Switches



Low As **995**

(12) **120 VAC SPDT Push-On/Push-Off.** Rated 3 amps at 120 VAC. Lamp requires 12 volts, AC or DC. Body size: 44 x 14 x 14mm. Mounts in 1/2"-diameter hole. **275-676** . . . **9.95**

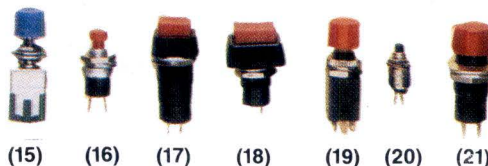
(13) **Round Button Version of Fig. 13.** **275-677** . . . **9.95**

(14) **SPST Normally Open or Normally Closed.** Rated 5 at 250 VAC. Lamp requires 12 volts AC or DC. Mounts in 5/8"-diameter hole. **275-678** . . . **11.95**

**Replacement 12-Volt Bulb.** For Figs. 12, 13 and 14. **272-1154** . . . **1.79**

## Momentary and Push On/Off Switches

Low As **229**



(15) **Mini SPDT Momentary.** 3 amps at 125 VAC. 1/4" mtg. hole. **275-1549** . . . **3.89**

(16) **Mini SPST Momentary.** 0.5 amp at 125 VAC. 3/8" button. 1/4" mtg. hole.

**Norm. Open. 275-1547** . . . **Pkg. of 5/3.99** **Norm. Closed. 275-1548** . . . **Pkg. of 5/4.99**

(17) **SPST Push-On/Off.** 3 amps at 250 VAC. 1/2" mtg. hole. **275-617** . . . **2.99**

**Momentary Version of Fig. 19.** Normally open. **275-618** . . . **2.69**

(18) **SPST "Soft-Feel" Push-On/Off.** 3A at 125 VAC. 3/8" mtg. hole. **275-1565** . . . **2.69**

**Momentary Version of Fig. 20.** Normally open. **275-1566** . . . **2.59**

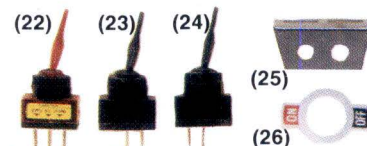
(19) **Mini SPDT Push-On/Off.** 3 amps at 125 VAC. 5/16" mtg. hole. **275-1555** . . . **2.99**

(20) **Submini SPST Momentary.** Rated 0.5 amp at 125 VAC. Normally open. 38x6mm. Includes one red, one black. 3/8" mtg. hole. **275-1571** . . . **Set of 2/2.99**

(21) **Standard SPST Push-On/Off.** 3A at 250 VAC. 1/2" mtg. hole. **275-011** . . . **2.29**

**Momentary Version.** Normally open. One black, one red. **275-609** . . . **Set of 2/3.49**

## Automotive



**For 12 VDC Use Only**

(22) **Lighted SPST.** Handle lights when on. 3 amps. 7/16" mtg. hole. **275-706** . . . **3.99**

(23) **Lever Switches.** 20 amps. 7.5 x 2.5 x 1.3cm. 7/16" mtg. hole. **SPST. 275-708** . . . **3.49**

**DPDT Center-Off. 275-710** . . . **4.49**

**DPDT Momentary.** Spring return to center off position. **275-709** . . . **5.49**

(24) **SPST.** 5 amps. **275-701** . . . **2.49**

(25) **Underdash Bracket.** Mounts two switches with 7/16" bushing. **275-705** . . . **1.39**

(26) **On/Off Plates.** For switches with 15/32" bushing. **275-320** . . . **Pkg. of 6/995**

## Desk Lamp Switches

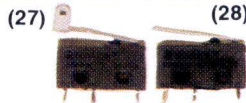
Low As **149**



**SPST. 240 VAC luminous stem P/B.** **275-9601** . . . **1.49**

**DPDT. White stem P/B.** **275-9602** . . . **2.99**

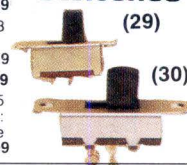
## Lever Types



(27) **SPDT With 19mm Roller Lever.** Operating force: 5g. 5 amps at 250 VAC. 19 x 6 x 10mm. **275-017** . . . **2.99**

(28) **SPDT With 19mm Lever.** Operating force: 45g 5 amps at 250 VAC. **275-016** . . . **2.89**

## Slide Switches



(29) **Heavy-Duty.** Rated 3 amps at 125 VAC.

**SPST. 275-401** . . . **2/2.39**

**DPDT. 275-403** . . . **2/2.59**

(30) **Submini.** Rated 0.3 amp at 125 VAC.

**SPST. 275-406** . . . **2/1.49**

**DPDT. 275-407** . . . **2/1.69**

**Kit.** Rated 0.5 amp at 125 VAC. Includes one each:

**SPDT, DPST, DPDT and three**

**SPST. 275-327, Set of 6/3.99**

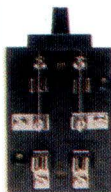
## Rotary

- 1/4"-Dia. Shaft
- 0.3 A at 125 VAC

**2-Pole, 6-Position.** Single deck, non-shorting type. **275-1386** . . . **2.59**

## Knife Switch

**Screwdriver Terminals**



**DPDT.** Ideal for projects, antenna switching, model railroads. Rated 0.5 amp at 250 VAC. 4.1 x 6 x 1.9cm. **275-1537** . . . **1.99**

## Mercury Switch



Useful in "tilt" or motion detector alarms, hobby and science projects. Rated 5 amps at 125 VAC. Style may vary. **275-027** . . . **2.89**

## SPST DIP Switches



Digital/low-current use. Socket or PC mount.

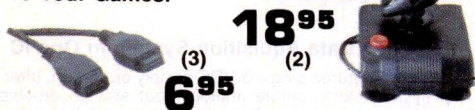
Positions	Fits Socket	Cat. No.	Each
8	16-pin DIP	275-1301	2.99
4	8-pin DIP	275-1304	2.69



# VALUE RELAYS, ANTENNAS & DIN TYPE CONNECTORS

## Computer Joysticks 21<sup>95</sup>

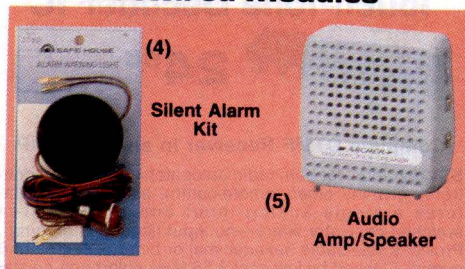
Add Extra "Zip" To Your Games!



- (1) Deluxe "Maze Master". Rugged, short-throw joystick has switchable 4 or 8-direction movement—ideal for maze games. Base mounted firing button, 2.4m cord with 9-pin connector. Plugs directly into Atari VCS, Atari 400, 800, 2600 Sears Video Arcade, Commodore 64 and VIC 20, more. 8.4 x 9.5 x 9.5cm 270-1702 ..... 21.95
- (2) "Jet Fighter". Features large contoured handle and two firing buttons—one on handle, one on base. 8-direction movement. 1.2m cable with 9-pin connector. 270-1701 ..... 18.95
- (3) 3m Joystick Extension Cord. 9-pin D-sub male connector to 9-pin D-sub female. 276-1978 ..... 6.95

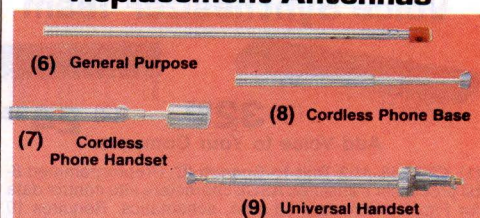
Atari® is TM of Atari, Inc. VIC-20 and Commodore 64 are TMs of Commodore Int'l. Sears Video Arcade is TM of Sears Roebuck & Co.

## Prewired Modules



- (4) Silent Alarm Kit. Looks like a real alarm. Easily fitted to any 12VDC negative ground system. Mount in or under dash. Requires 15mm mounting hole. Light flashes when ignition is turned off. With warning stickers. 277-9501 ..... 14.95
- (5) Audio Amplifier With Built-In Speaker. Ideal as a test-bench amp or wherever you need a compact audio amplifier. Has on/off/volume control, 1/8" phone jacks for input and an external speaker or earphone. High-gain IC design, 200-mW output. 8.6 x 8.1 x 4.4cm. Requires 9V battery. 277-1008 ..... 24.95

## Replacement Antennas

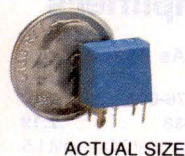


Restore original range and performance to electronic equipment. #270-1408 is new for 1987 and extra length makes it ideal for long-distance applications.

Fig.	Sections	Extends to	Cat. No.	Each
6	5	77cm	270-1401	5.95
6	4	87cm	270-1402	6.95
6	3	100cm	270-1403	7.95
6	6	183cm	270-1408	8.95
7	5	77cm	270-1405	3.99
8	5	39cm	270-1406	3.99
9	5	33cm	270-1407	3.99

## High-Quality Relays for Your Projects. Check Our Big Selection

### Micro-Mini SPDT, 5 or 12 VDC Coil



3<sup>29</sup>

Just 9 x 10 x 6mm. Contacts: 1 amp at 125 VAC. 5 VDC, 90 milliamp coil. 275-240 ..... 3.29

NEW! With 12 VDC Coil. 275-241 ..... 3.29

### Heavy-Duty DPDT Relays 9<sup>95</sup> Each

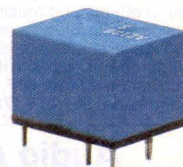


Contacts: 10 amps at 125 VAC. Plug-in or solder. 41 x 25 x 19mm. 12 VDC, 150 ohm coil. 275-218 ..... 9.95

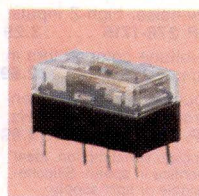
10-Amp Socket. 275-220 ..... 2.59

### Mini SPDT with 3-Amp Contacts

4<sup>69</sup> Each



Contacts: 3 amps at 125 VAC. 14 x 20 x 16mm. 12 VDC, 400 ohm coil. 275-247 ..... 4.69



### DIP DPDT 6<sup>95</sup>

Fit 16-pin DIP socket or mount on PC boards. Contacts: 0.3 amp at 125 VAC. 11 x 20 x 10mm. 12 VDC, 280-ohm, 43 mA coil. 275-213 ..... 6.95

### Mini SPDT Relay With Leads 4<sup>29</sup>



6-9 VDC, 500-Ohm Coil. Typical drain 12 mA — ideal for battery-powered circuits. Contacts: 1 amp at 125 VAC. 25 x 27 x 19mm. 275-004 ..... 4.29



### Compact SPST Reed Relays 2<sup>99</sup> Each

Approximately 25 x 8mm. Pins for PC board mounting. Contacts rated 1 amp at 125 VAC. Low-current coils. 5 VDC Coil. 275-232 ..... 2.99

12 VDC Coil. 275-233 ..... 2.99



### Mini DPDT, 12 VDC Coil 7<sup>95</sup>

Socket Included

Contacts: 3 amps at 125 VAC. Coil: 75 mA, 150 ohms. Transparent case, 32 x 25 x 19mm. Chassis or PC-mount socket has clips for relay. 275-206 ..... 7.95

### Mini 4PDT Relays 8<sup>95</sup>



Switches up to four circuits! PC mountable. Contacts: 3 amps at 125 VAC. 35 x 29 x 21 VDC, 160-ohm coil. 275-214 ..... 8.95

Socket. 275-221 ..... 2.59



### Automotive Lighting Relay 5<sup>95</sup>

NEW FOR 87

Compact, easy to mount. SPST contacts rated 30 amps at 12 VDC. 12 VDC coil. 275-226 ..... 5.95

## DIN Type Plugs, Chassis Sockets and In-Line Sockets



\*Shielded Plugs and In-Line Sockets  
\*Metal Chassis Sockets



2-Pin Loudspeaker  
Plug. 274-9601 ..... 1.39  
Chassis Socket. 274-9612 ..... 1.39  
In-Line Socket. 274-9622 ..... 1.39



3-Pin  
Plug. 274-9602 ..... 1.79  
Chassis Socket. 274-9613 ..... 1.79  
In-Line Socket. 274-9623 ..... 1.79



4-Pin  
Plug. 274-9603 ..... 1.79  
Chassis Socket. 274-9614 ..... 1.79  
In-Line Socket. 274-9624 ..... 1.79



5-Pin 180°  
Plug. 274-9604 ..... 1.89  
Plug with metal handle and bakelite pin holder. 274-9607 ..... 4.99  
Chassis Socket. 274-9615 ..... 1.89  
In-Line Socket. 274-9625 ..... 1.89



5-Pin 360°  
Plug. 274-9605 ..... 1.89  
Chassis Socket. 274-9616 ..... 1.89  
In-Line Socket. 274-9626 ..... 1.89



5-Pin 240°  
Plug. 274-9606 ..... 1.89  
Chassis Socket. 274-9617 ..... 1.89  
In-Line Socket. 274-9627 ..... 1.89



6-Pin  
Plug. 274-9608 ..... 1.89  
Chassis Socket. 274-9618 ..... 1.89  
In-Line Socket. 274-9628 ..... 1.89



7-Pin  
Plug. 274-9609 ..... 1.99  
Chassis Socket. 274-9619 ..... 1.99  
In-Line Socket. 274-9629 ..... 1.99



8-Pin 270° — Centre Pin Middle  
Plug. 274-9610 ..... 2.39  
Chassis Socket. 274-9620 ..... 2.39  
In-Line Socket. 274-9630 ..... 2.39



8-Pin 262° — Centre Pin Bottom  
Plug. 274-9611 ..... 2.39  
Chassis Socket. 274-9621 ..... 2.39  
In-Line Socket. 274-9631 ..... 2.39

As Low As 1<sup>39</sup>



# UP-TO-DATE SOLID-STATE AT SUPER LOW PRICES

## Voice Synthesizer Team



(1) **32<sup>95</sup>** (2) **24<sup>95</sup>**

Add Voice to Your Computer

(1) **CTS256-AL2 Text-to-Speech IC.** Preprogrammed 8-bit processor translates ASCII characters into control data for Fig. 2. With detailed data, schematics. Requires 10 MHz crystal (special-order). 40-pin DIP. **276-1786, 32.95**  
 (2) **SPO256-AL2 Speech Synthesizer.** MOS/LSI device with built-in program is easy to interface with most computers. With data, circuit examples. Requires 3.12 MHz crystal (special-order). 28-pin DIP. **276-1784 24.95**

## Sound Generator IC



**19<sup>95</sup>** **NEW FOR 87**

Produces an Incredible Variety of Sounds

**AY-3-8910A.** Only your imagination will limit the type of sound effects and music this chip will produce. The three analog audio outputs are independently programmable. Two general-purpose 8-bit I/O ports and single 5 VDC supply operation make it easy to interface with most microprocessors. 40-pin DIP with detailed interfacing and programming data. **276-1787 19.95**

## Audio Amplifiers



Low As **2<sup>59</sup>**

(3) **LM383/TDA2002.** Up to 8 watts rms at 13.8 VDC, 4-ohm load. 5-pin TO-220. **276-703 4.99**  
 (4) **LM386.** Amplifier for 8-ohm loads is ideal for battery-powered projects. 400 mW output. Adjustable gain. 4-12 VDC. 8-pin DIP. **276-1731 2.59**  
 (5) **BA5406 Stereo Amplifier.** 5 watts per channel output at 12 VDC when properly heat-sinked. **276-707, 4.99**  
 (6) **TA7205AP.** Import autosound replacement IC. 5.8-watt output. 9-18 VDC. THD: 0.07%. **276-705 5.95**

## Touch-Tone Decoder IC



**24<sup>95</sup>** **NEW FOR 87**

Complete DTMF Receiver in an 18-Pin DIP

**SSI 202.** Ideal for ham radio autopatching, repeater control and many other remote-control applications. Features a single analog input and eight built-in switched-capacitor filters—no input filtering is required. Provides selectable hexadecimal or binary coded 2 of 8 output. Clocked by low-cost 3.58 MHz colorburst crystal (Tandy #272-1310, not incl.). Single 5 VDC supply. With data and circuit examples. **276-1303 24.95**

## Melody Synthesizer IC



**5<sup>95</sup>** **NEW FOR 87**

Preprogrammed With 16 Popular Tunes

**UMC 3482.** Ideal for musical doorbells, telephone music-on-hold, game and novelty applications. Features an on-chip audio preamp and operates on 1.5 VDC. Tunes include Happy Birthday, Oh My Darling Clementine, London Bridge is Falling Down, Home Sweet Home, American Patrol and Row-Row-Row Your Boat. 16-pin DIP with data and circuit examples. **276-1797 5.95**

## CMOS and Bipolar Timers



Low As **2<sup>49</sup>**

**TLC555.** CMOS design offers very low power consumption. Same pinout as standard 555 but operates up to 2 MHz. 8-pin DIP with data. **276-1718 2.69**  
**TLC556.** Dual version of TLC555. 14-pin DIP with data. **276-1704 3.29**

**Bipolar Timers.** Provide resettable timing from one microsecond to one hour. Operate from 4.5 to 16 VDC.

Type	DIP	Cat. No.	Each
555 (Single)	8-pin	276-1723	2.49
556 (Dual)	14-pin	276-1728	2.99

## 8-Bit A/D Converter IC



**12<sup>95</sup>** **NEW FOR 87**

Complete Data Acquisition System in One IC

**TLC548.** Features single 5 VDC supply operation, internal system clock, single analog input and an on-chip sample-and-hold circuit. Provides high-speed data transfer and a maximum sample rate of 40,000 cycles per second. Requires a minimum of support components and software to interface with most microprocessors, peripheral or digital logic circuits. 8-pin DIP with applications data. **276-1796 12.95**

## Top-Quality Memory Chips



**11<sup>95</sup>** **NEW FOR 87**

**NEW! MSM 2764RS 64K EPROM.** UV erasable, electrically programmed ROM with 250 ns access time. 28-pin DIP. **276-1251 11.95**

## Operational Amplifiers



Low As **1<sup>59</sup>**

**741.** Industry workhorse. 8-pin DIP. **276-007 1.59**  
**1458 Dual Op Amp.** 8-pin DIP. **276-038 2.19**  
**LM324 Quad Op Amp.** Operates on 3 to 30 VDC or split 1.5 to 15 VDC supply. 14-pin DIP. **276-1711 2.79**  
**TL082 Dual BiFET Op Amp.** Low-noise, high-Z inputs. Split 4 to 18 VDC supply. 8-pin DIP. **276-1715 3.29**  
**LM339 Quad Comparator.** Four voltage comparators in 14-pin DIP. Single 2 to 32 VDC supply. **276-1712 2.69**  
**LM567 Tone Detector.** Use for Touch-Tone, remote control and FSK decoding. Operates from 0.01 Hz to 500 kHz. Requires 4.75 to 9 VDC. 8-pin DIP. **276-1721 3.99**  
**Low-Power Op Amps.** Extremely low power consumption. Ideal for battery-powered circuits with no sacrifice in speed. Silicongate CMOS technology 4 to 16 VDC, single or split supply.

Type	DIP	Cat. No.	Each
TLC271	8-pin	276-1748	2.99
TLC272 (Dual)	8-pin	276-1748	3.99
TLC274 (Quad)	14-pin	276-1750	5.95

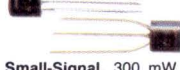
## Archer Paks—Bargains for Every Builder and Experimenter! Only \$3.99 Each

### Package of 50 Diodes



**1N914/4148.** Silicon, ideal for logic. Switching time low as 4 ns. PRV: 90. **276-1620 3.99**

### 15 NPN Transistors



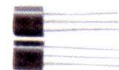
**Small-Signal.** 300 mW. Similar to 2N3904. Pkg. of 15. **276-1603 3.99**  
**General-Purpose.** 600 mW. Pkg. of 15. **276-1617 3.99**

### 25 Assorted Zener Diodes



Ratings from 2.8 to 120 V. 250 mW to 5 watts. May include double anode types. **276-1629 3.99**

### 15 Amplifying Transistors



PNP small-signal type, similar to 2N3906. 350 mW. TO-92 case. **276-1604 3.99**

### 25 Rectifier Diodes



**1N4000-series.** Ten 1N4001s, five 1N4002s, five 1N4004s, and five others. **276-1653 3.99**

### 5 One-Amp SCRs



You'll find lots of uses for these! Rated 1 amp, 50 volts. TO-92 package. **276-1662 3.99**

### 5 One-Amp Triacs



Use as a light-duty, solid-state AC relay or controller. Rated 1 amp, 50 volts. TO-92 package. **276-1663 3.99**

### 10 Rectangular LEDs



May include red, green, yellow, regular and high-efficiency types. **276-1655 3.99**

### 2 LED Displays



Two 10mm common-anode digital displays. Left decimal. Red output. Fit 14-pin DIP socket. **276-1656 3.99**

### 20 Assorted LEDs



May include types MV-5054, MV-50, RL-209 in red, green, amber plus infrareds and indicators. **276-1622 3.99**

### Package of 4 Rectifiers



Rated 6 amps, 50 PIV. Ideal for replacement and power supply projects. **276-1661 3.99**

### Package of 5 Regulators



Includes one 7805, one 7812 and three other types. **276-1660 3.99**

### Package of 3 Optocouplers



Includes one with transistor output, one Darlington output, one other type. **276-139 3.99**

### Package of 5 Photo Cells

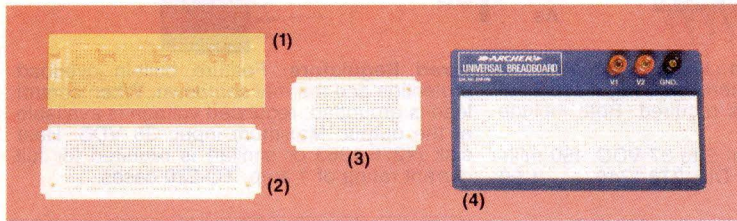


Cadmium-sulfide photo resistors. Ideal for experiments. Various styles and ratings. **276-1657 3.99**



# PROJECT BREADBOARDS & OPTOELECTRONICS

## Experimenter's Solderless Breadboards



The fast way to design circuits! Our breadboards accept a variety of devices and make circuit changes easy. When your circuit is working properly, it's easy to transfer it to the matching experimenter's PC board for a soldered, permanent version.

- (1) **Experimenter's PC Board.** Layout matches modular breadboard sockets. 550 pre-drilled connection points. 5.2 x 13.8 x .16cm. **276-170** ..... **5.95**
- (2) **Modular IC Breadboard Socket.** Silver-nickel contacts accept 30 to 22-gauge solid wire. Feature two bus strips and 550 indexed connection points. Snap together horizontally or vertically for more complex designs. 5.4 x 15.2cm. **276-174** ..... **27.95**
- (3) **Modular IC Breadboard Socket.** Smaller version of Fig. 2 with 270 indexed connection points. 5.4 x 9.2cm. **276-175** ..... **14.95**
- (4) **Universal Breadboard.** Our finest! The 5.7 x 16.5cm breadboard is mounted on a 17.8 x 10.2cm "stay-put" steel base with rubber feet. Accepts DIPs, discrete components and up to 22-gauge wire. Provides a total of 640 plug-in tie points and has three binding posts for external connections. Great for students and professionals. **276-169** ..... **44.95**

## Light Up Your Projects With LEDs

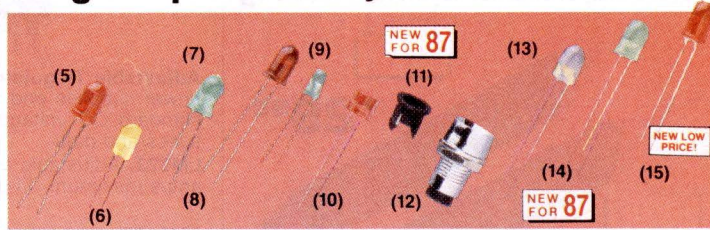


Fig.	Color	Size	Cat. No.	Pkg. of 2
5	Red	T-1 $\frac{3}{4}$	276-041	1.19
6	Yellow	T-1 $\frac{3}{4}$	276-021	1.29
7	Green	T-1 $\frac{3}{4}$	276-022	1.29
8	Red	T-1	276-026	1.19
9	Green	T-1	276-037	1.49

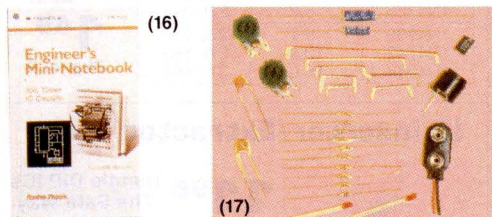
- (10) **TLR-107 High-Brightness Red LED.** Fresnel lens. Mounts in  $\frac{3}{16}$ " hole. 2 VDC at 20 mA typical. **276-033** ..... **Pkg. of 2/1.59**
- (11) **NEW! T-1 $\frac{3}{4}$  LED Holders.** Fit  $\frac{1}{4}$ " holes. **276-079** ..... **Pkg. of 5/1.19**
- (12) **Chrome LED Panel Lamp Holders.** Accept standard T-1 $\frac{3}{4}$  (jumbo-size) LEDs. **276-080** ..... **Pkg. of 2/1.99**

- (13) **XC-5491 Tri-Color LED.** Perfect for status indicators and testers! Glows red on DC, green on reverse DC, yellow on AC. T-1 $\frac{3}{4}$  size. 2.2 VDC at 25 milliamps, typical. **276-035** ..... **2.49**

- (14) **NEW! Blinking Green LED.** Flash rate 1 Hz, typical. T-1 $\frac{3}{4}$  size. 20 mA at 3 VDC. **276-030** ..... **2.59**

- (15) **Blinking Red LED.** Combines a MOS integrated circuit driver and a red LED in a T-1 $\frac{3}{4}$  package. Approximately 20 mA at 3 VDC. Can drive several LEDs in series. **276-036** ..... **2.59**

## Books by Forrest Mims III



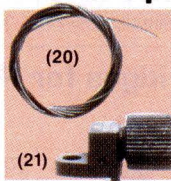
- (16) **Timer IC Mini-Notebook.** Large schematics help you learn to use the versatile 555 and 556 ICs. 32 pages. **276-5010** ..... **1.79**
- Op Amp Mini-Notebook.** 48 pages contain over 40 clever circuits using popular op amps such as the 741. **276-5011** ..... **2.69**
- NEW! Opto Mini-Notebook.** 48 pages. Projects range from simple LED circuits to lightwave communications. **276-5012** ..... **2.69**
- NEW! Basic Semiconductor Circuits Mini-Notebook.** 48 pages of basic circuits using resistors, capacitors, R-C elements, diodes, transistors, piezo elements and more. **276-5013** ..... **2.69**
- NEW! Basic Logic Circuits Mini-Notebook.** 48 pages explain gates, truth tables and logic families with emphasis on interfacing logic to real-world applications. **276-5014** ..... **2.69**
- (17) **Timer IC Project Parts Kit.** For 14 projects. Use with #276-5010 and #276-174 breadboard, above. **277-061** ..... **24.95**
- Op Amp IC Project Parts Kit.** For 20 projects. Use with #276-5011 and #276-174 breadboard, above. **277-062** ..... **24.95**

## Our Biggest & Brightest LEDs



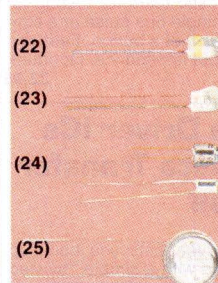
- (18) **Super-Bright Red LED.** A real breakthrough. Outputs 300 mcd at 20 mA yet runs cool. Point-source type in a clear epoxy T-1 $\frac{3}{4}$  package. **276-066** ..... **1.69**
- (19) **NEW! Jumbo Red LED.** Two LED elements connected cathode-to-cathode in a 10mm diameter housing. Three-lead pinout lets you use separate current limiting resistors. It's really big! **276-065** ..... **2.49**

## Fiber-Optics Components



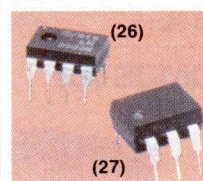
- (20) **Optical Fiber Cable.** 3-meter length of high-quality optical cable is ideal for experiments. **276-228** ..... **11.95**
- (21) **Emitter/Detector Set.** Use to send analog or digital signals through fiber optic cable. With data. **276-225** ..... **11.95**

## Infrared LEDs & CdS Cell



- (22) **TIL906-1.** High-output infrared (IR) LED. **276-143** ..... **2.89**
- (23) **TIL414.** IR photo transistor. High-speed NPN. 50 mW. **276-145** ..... **1.89**
- (24) **IR Pair.** LED emitter, photo transistor detector. **276-142** ..... **Pair 4.69**
- (25) **CdS Photocell.** Photo resistor rated 200 mW at 170 volts, max. 13 x 6mm. **276-116** ..... **2.29**

## LED Flasher IC & Optocoupler



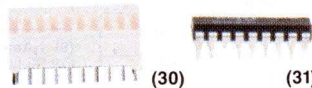
- (26) **LM3909 LED Flasher.** Pulses LEDs with a minimum of current and external parts. Many other uses! 8-pin DIP. **276-1705** ..... **2.79**
- (27) **MOC3010 Optocoupler.** Triac output. The ideal interface between logic-level signals and 120 VAC circuits, up to 100 mA. LED input. 1000-volt isolation, minimum. 6-pin DIP. **276-134** ..... **3.99**

## Solar Power Items



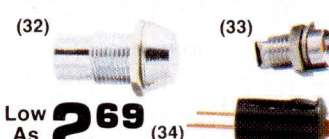
- (28) **Solar Energy Project Set.** Perfect for science projects. Includes solar cell pre-wired to DC motor, color wheels, propeller and booklet with projects. **277-1201** ..... **21.95**
- (29) **Silicon Solar Cell.** 2.5 x 5cm cell produces about 0.2 amp at 0.42 VDC in full sun. Use several to charge batteries or power projects. Manufacturer's prime, produced exclusively for Tandy. **276-124** ..... **8.95**

## Bargraph Display And Driver ICs



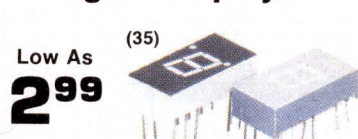
- (30) **LED Bar Graph Display.** Easy way to add metering to audio and other circuits. Ten red segments. Fits 20-pin socket. **276-081** ..... **5.95**
- (31) **LM3914 LED Display Driver.** 10 adjustable analog steps, selectable bar or dot mode. Stackable to 100 steps. 18-pin DIP with data. **276-1707** ..... **6.95**
- LM3916.** Bargraph driver for fast-response VU metering. **276-1709** ..... **6.95**

## Panel-Mount LEDs



- (32) **Two-Color.** Outputs red and green. Requires 3 VDC at 10 mA per segment.  $\frac{3}{16}$ " mtg. hole. **276-025** ..... **2.69**
- (33) **Chrome Holders.**  $\frac{1}{4}$ " mtg. hole. **276-018** ..... **Pkg. of 2/3.19**
- | Color | Cat. No. | Pkg. of 2 |
|-------|----------|-----------|
| Red   | 276-068  | 2.79      |
| Green | 276-069  | 2.79      |

## Digital Displays



- (34) **Low As 2.99**
- (35) **Seven-Segment LED Displays.** Fit 14-pin DIP sockets. Specs included.
- | Common  | Cat. No. | Each |
|---------|----------|------|
| Anode   | 276-053  | 3.49 |
| Cathode | 276-075  | 2.99 |
- (36) **Yellow Version of #276-053.** Common anode. **276-076** ..... **Pkg. of 2/3.99**



# VALUES IN DIGITAL ICs, DIODES & REGULATORS

## Logic Probe and Pulser Speed Up TTL/LS and CMOS Testing



Both Have 91cm Leads With Clips to Obtain Power From Tested Circuit

(1) **NEW! Digital Logic Probe.** The fast way to "peek inside" TTL, LS and CMOS digital circuits, memory, microprocessor and peripheral chips. Color-coded LEDs indicate high, low or pulsed logic states (up to 10 MHz). Simultaneous tone output frees your eyes for faster testing. Has switches for normal or pulse modes, CMOS or TTL/LS testing. Input impedance 100k ohms. Minimum detectable pulse width: 50 ns. Operates from 4.7 to 15 VDC. With instructions. **22-303** ..... **29.95**

(2) **NEW! Digital Logic Pulser.** Together, the pulser and probe make an effective diagnostic team for testing today's digital circuits. Produces single 5us pulse or a continuous 5 Hz pulse train at the push of a button. Features overload protection and low output impedance. Operates from 4.7 to 15 VDC. **22-304** ..... **32.95**



## Line Driver ICs For Data Transfer **2.99**

**MC1488 RS232 Quad Line Driver.** Lets you hook up terminals and remote peripherals with a simple "twisted pair". Also mixes different logic families. Protected, current limited output. 14-pin DIP with data. **276-2520**, **2.99**

**MC1489 RS232 Quad Line Receiver.** Use with above. Performs logic-level translation and can provide multiple outputs. 14-pin DIP with data. **276-2521** ..... **2.99**

## 4000-Series CMOS ICs

With Pin-Out And Specs

**2.59**



Description	Type	Cat. No.	Each
Quad 2-Input NOR Gate	4001	276-2401	2.59
Quad 2-Input NAND Gate	4011	276-2411	2.59
Dual Type-D Flip Flop	4013	276-2413	2.99
Decade Counter/Divider	4017	276-2417	3.99
Inverting Hex Buffer	4049	276-2449	2.99
Quad Bilateral Switch	4066	276-2466	2.99

## TTL Digital ICs

With Pin-Out And Specs

Description	Type	Cat. No.	Each
Quad 2-Input NAND Gate	7400	276-1801	1.89
Hex Inverter	7404	276-1802	1.99
BCD to 7-Seg. Driver	7447	276-1805	2.99

## Voltage Regulator ICs for Replacement and Projects



Low As **1.99**



**Adjustable Regulators.** Ideal for variable DC power supplies and wherever a regulated non-standard DC voltage is required. Both include specs and data.

**LM723.** Adjustable from 2 to 37 VDC. 150 milliamps maximum. 14-pin DIP. **276-1740** ..... **1.99**

**LM317T.** Adjustable from 1.2 to 27 VDC output. Heat sink such as #276-1363 (Fig. 8 on next page) is required for maximum current rating of 1.5 amps. TO-220 case. **276-1778** ..... **3.99**

**Fixed Regulators.** Feature built-in overload protection and thermal shutdown. When control lead is grounded, regulated voltage is available at the output. Maximum input: 35 VDC. Heat sink (#276-1363 or similar) is required for full current rating of 1 amp. TO-220 cases.

Type	Output VDC	Cat. No.	Each
7805	+ 5	276-1770	3.19
7812	+ 12	276-1771	3.19
7815	+ 15	276-1772	3.19

## SCRs, Triacs

Low As **1.99**



TO-220 Cases

**6-Amp Silicon Controlled Rectifiers (SCRs).** Ideal for motor speed control. With data.

Voltage	Cat. No.	Each
200	276-1067	1.99
400	276-1020	2.29

**6-Amp Triacs.** For light dimmers, heat element control. Immune to transient damage. With data.

Voltage	Cat. No.	Each
200	276-1001	2.29
400	276-1000	2.49

## Switch and Signal Diodes

**1N914/4148.** Silicon switching type. 75 peak inverse voltage (PIV).

**276-1122** ..... **Pkg. of 10/2.39**

**1N34A.** Hard-to-find general-purpose germanium. 60 PIV

**276-1123** ..... **Pkg. of 10/2.39**

## One-Watt Zener Diodes

Type	Voltage	Cat. No.
1N4733	5.1	276-565
1N4735	6.2	276-561
1N4739	9.1	276-562
1N4742	12.0	276-563
1N4744	15.0	276-564

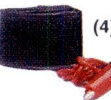
**2.39**  
Pkg. of 10

**1.49**  
Pkg. of 2



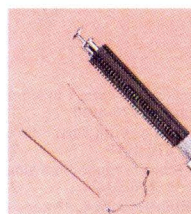
## Protectors Prevent Static Damage

(3) **Conductive Foam Mat.** 13 x 13cm. For workbench or shipping. Protects sensitive ICs and components from static discharge. Easily cut. **276-2400** ..... **2.29**



(4) **Static-Draining Wrist Strap.** Easily adjusts to fit any wrist. 61cm ground lead with clip. **276-2399**, **3.99**

## IC Inserter/Extractor Tools



**11.95** Handle DIP ICs The Safe Way

Helps you remove or install DIPs without bending pins. Built-in pin straightener. Both tools groundable to protect static-sensitive MOS devices. **276-1574** ..... **11.95**

## Rectifiers and Bridges for Power Supplies and Replacement

NEW FOR 87

(5)

(6)

(7)

(5) **NEW! 40-Volt, 1-Amp Schottky Barrier Diode.** Low 0.55-volt forward voltage drop. Fast 0.2  $\mu$ s reverse recovery time. Ideal for switching power supplies. **276-1165** ..... **Pkg. of 2/1.79**

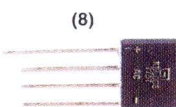
(6) **Micromini 1-Amp Diodes.** 30-amp surge.

Type	Peak Inverse Voltage (PIV)	Cat. No.	Pkg. of 2
1N4001	50	276-1101	1.19
1N4003	200	276-1102	1.29
1N4004	400	276-1103	1.39
1N4005	600	276-1104	1.49

(7) **3-Amp "Barrel" Diodes.** 200-amp surge.

Type	(PIV)	Cat. No.	Pkg. of 2
1N5400	50	276-1141	1.69
1N5402	200	276-1143	1.89
1N5404	400	276-1144	1.99

**PTC205 2.5-Amp, 1000 PIV Silicon Diodes.** Use in high-voltage, high-current power supplies. Only 6 x 5mm  
**276-1114** ..... **Pkg. of 3/2.99**



(8)

(9)

(10)

(11)

(8) **4-Amp Full-Wave Bridge Rectifiers.**

PIV	Cat. No.	Each
50	276-1146	2.99
100	276-1171	3.29
400	276-1173	3.99

(9) **1-Amp, 50 PIV Full-Wave Bridge Rectifier.** Rated 25 amps. For PC board or socket mounting. Two fit into a 14-pin DIP socket. **276-1161** ..... **1.89**

(10) **25-Amp, 50 PIV Full-Wave Bridge Rectifier.** 8mm square metal case. **276-1185** ..... **4.99**

(11) **6-Amp, 50 PIV Full-Wave Bridge Rectifier.** Heavy-duty. 14 x 14 x 5mm. **276-1180** ..... **3.99**

**NEW! 6-Amp, 250 PIV Full-Wave Bridge Rectifier.** **276-1181** ..... **3.69**

**15-Amp, 50 PIV Full-Wave Bridge Rectifier.** **276-1184** ..... **3.99**

**1.5 Amp Full-Wave Bridge Rectifiers.** M548 cases.

PIV	Cat. No.	Each
50	276-1151	1.59
100	276-1152	1.69



# ARCHER® TRANSISTORS & ACCESSORIES

## "How-To" Books for Builders, Technicians and Students

(1) **Semiconductor Reference Guide.** New 1987 edition! Exclusive cross-reference and substitution section lists over 80,000 types and their low-cost Tandy equivalents. Also provides detailed data on Tandy linear and digital ICs, modules, SCRs, LEDs, diodes and opto devices. Illustrated. 288 pages. 276-4010 ..... **7.95**

(2) **Getting Started in Electronics.** By Forrest Mims III. We think it's the perfect "hands on" introduction to the exciting world of electronics. Features large schematic diagrams and easy-to-understand text by one of America's most popular technical authors. Learn as you build! 128 pages. 276-5003 ..... **4.99**



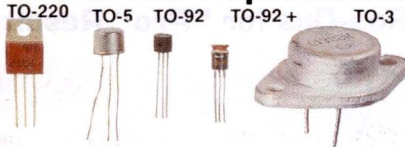
NEW FOR 87

(1) **7.95**



(2) **4.99**

## We're Your Replacement Transistor Source



Include Data and Pin-Out

Refer to Semiconductor Reference Guide (above) for complete data and cross-reference list.

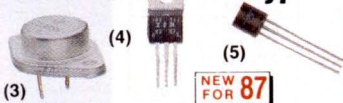
Direct Commercial Equivalent	Replaces*				Pol.	Use	Diss.	Case	Cat. No.	Each
	GE Type	Sylvania ECG†	RCA SK†	Type						
2N1305 (G)	53	158	3004	PNP	SW	150mW	TO-5	276-2007	2.79	
MPS2222A	20	123A	3122	NPN	GP	500mW	TO-92	276-2009	1.89	
MPS3904	20	123A	3122	NPN	SW	350mW	TO-92	276-2016	1.69	
TIP31	66	152	3054	NPN	P	40W	TO-220	276-2017	2.19	
TIP3055	241	130	3027	NPN	P	90W	TO-220	276-2020	3.49	
MPS2907	82	159	3025	PNP	SW	400mW	TO-92	276-2023	1.39	
MJE34	34	197	3084	PNP	P	90W	TO-220	276-2027	3.29	
2N3053	241	128	3024	NPN	P	1W	TO-92 +	276-2030	1.99	
TIP120	—	261	3180	NPN	D	65W	TO-220	276-2068	2.99	
2N3055	14	181	3027	NPN	P	115W	TO-3	276-2041	4.29	
MJ2955	74	219	3335	PNP	P	150W	TO-3	276-2043	4.39	
2N4401	20	123AP	3444	NPN	SW	350mW	TO-92	276-2058	1.19	
MPSA42	222	154	3044	NPN	HV	625mW	TO-92	276-2061	1.69	
PN2484	81	123A	3024	NPN	LL	360mW	TO-92	276-2010	1.99	
MPS3638	82	159	3025	PNP	RF/IF	350mW	TO-92	276-2032	1.69	

## N-Channel Field-Effect Transistors (FETs)

Direct Commercial Equivalent	Use	Diss.	gfs min/max μmhos	Case	Cat. No.	Each
2N3819	GP	360mW	2.0/8.5	TO-92	276-2035	1.89
MPF102	VHF Amp, Mixer	310mW		TO-92	276-2062	1.89

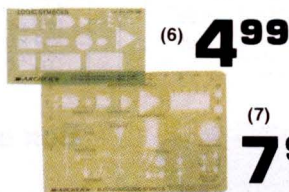
\*In most circuits. See product package for exact device specs. D = Darlington G = Germanium GP = General Purpose P = Audio Power Amp, Switch SW = Switch NOTE: Parameters are at 25° C.

## TV and Power Types



(3) **2SC1308.** NPN transistor used as horizontal output in many late-model 48cm colour TVs. Replaces ECG-238, GE-38 and SK-3115. TO-3 case. With insulator, bushings. 276-2055, **11.95**  
 (4) **IRF-511 Power MOSFET.** Handles up to 60 VDC and 3 amps of current. "On" resistance only 0.6 ohm. TO-220 case. 276-2072 ..... **4.99**  
 (5) **BS170 MOSFET.** Handles up to 60 VDC and 0.5 amps. Rated 0.83 watts. Easily paralleled to increase current capability. Virtually immune to thermal runaway. TO-92 case. 276-2074 ..... **2.59**

## Symbols Stencils



(6) **Logic Template.** This durable transparent guide with computer logic symbols helps you produce accurate, "book-quality" systems designs and flow charts. 276-186 ..... **4.99**  
 (7) **Circuit Symbols Template.** Helps you draw accurate and easy-to-read schematic diagrams. 276-180 ..... **7.95**

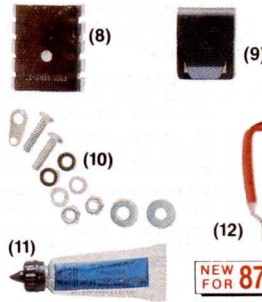
## Dynamic Transistor Checker Tests In or Out of Circuit



**24.95** Tests PNPs, NPNs, Silicon And Germanium Types

An inexpensive yet very useful addition to your workbench! Lets you make fast good/bad tests on small-signal and power transistors. Also allows you to match similar transistors. Lamp indicates relative current gain, "opens" and "shorts". Has a front-panel pin socket plus color-coded hook-clip leads for in-circuit tests. Output jacks let you connect to an external meter or scope for more in-depth tests. 7 x 11.1 x 3cm. With instructions. Requires "AA" battery. 22-025 ..... **24.95**

## Heat Sinks



(8) **TO-220 Heat Sink.** Anodized aluminum. For devices in TO-220 cases. 276-1363 ..... **1.79**

(9) **Clip-On Heat Sink.** For TO-220 Devices. 276-1367 ..... **Pkg. of 2/1.69**

(10) **Mounting Hardware.** For power semiconductors. With screws, insulating washers, solder lug, bushings. For TO-3 cases. 276-1371 ..... **Set 1.49**  
 For TO-220 cases. 276-1373 ..... **Set 1.49**

(11) **Heat Sink Grease.** Highly heat-conductive silicone compound insures proper heat transfer from power semiconductors to sink or chassis. 6.5 grams. 276-1372 ..... **2.19**

(12) **NEW! Heat Sink for Soldering.** Strong spring clip with insulated handle. Essential for safe soldering of semiconductors and low-power passive components. 276-1567 ..... **2.39**

## Wire Wrapping for Easier and Faster Building



(13) (14) **Wire-Wrapping Sockets.** Square 6mm posts accept three levels of wire.

Pins	Cat. No.	Pkg. of 2	Pins	Cat. No.	Each
8	276-1988	2.39	28	276-1983	2.79
14	276-1993	2.49	40	276-1984	3.79
16	276-1994	2.69			

(15) **NEW! Wire-Wrapping Posts.** Insert and securely lock into standard perforated and PC boards. Accept three levels of wrap. 1mm square. 276-1987 ..... **Pkg. of 20/1.09**

(16) **Wire-Wrapping Tool.** Balanced 11.4cm all-metal tool for making solid wrap connections—much faster than soldering! Strips, wraps and unwraps 30-gauge wire. Stripper stores in handle. 276-1570 ..... **7.95**

(17) **30-Gauge Wire for Wrapping.** 15.24m spools.

Color	Cat. No.	15.24m Spool
Red	278-501	4.99
White	278-502	4.99
Blue	278-503	4.99
Yellow	278-504	4.99

## Accessories for Building With DIP ICs

### Jumper Header & Clip

### Low-Profile Sockets

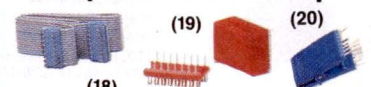
Low As **1.19**

High-quality non-wicking solder-type sockets for PC board use.

Type	Cat. No.	Pkg. of 2
8-Pin	276-1995	1.29
14-Pin	276-1999	1.79
16-Pin	276-1998	1.79

Type	Cat. No.	Each
18-Pin	276-1992	1.19
20-Pin	276-1991	1.29
24-Pin	276-1989	1.49
28-Pin	276-1997	1.79
40-Pin	276-1996	1.99



(18) **16-Pin DIP Jumper.** Simplifies interconnection of digital projects. Two 16-position DIP plugs connected by an 46cm-long color-indexed ribbon cable. 276-1976 ..... **6.95**

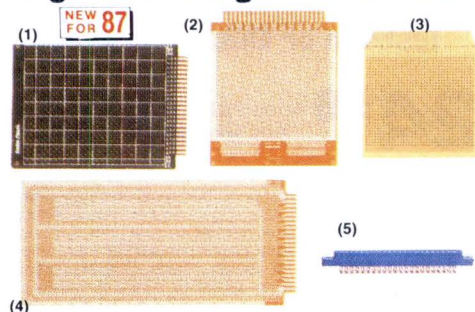
(19) **16-Position DIP Component Carrier.** Plug-in module mounts resistors, capacitors, jumpers and more. Fits standard 16-pin DIP socket. With cover. 276-1980 ..... **3.99**

(20) **IC Test Clip.** For DIP ICs up to 16 pins. Access individual IC pins on crowded boards. 276-1982 ..... **7.95**



# ARCHER® PCs — THE BASES FOR GREAT PROJECTS

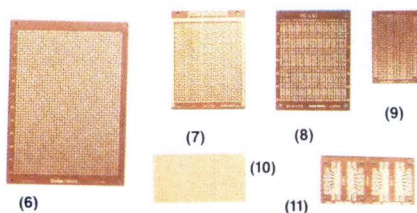
## Edge-Card Plug-In PC Boards



All Fit 44-Position Socket (Fig. 5)

- (1) **NEW Plug-In Board With Ground Plane.** Premium quality! Masked on both sides to prevent solder bridges. Has 2066 indexed, solder-ringed holes arranged in a multipurpose grid array 11.4 x 14.4cm component area. **276-188** ..... **9.95**
- (2) **Plug-in Board With RS-232 Ports.** Ideal for computer interfacing projects. 11 x 13.5cm. Has predrilled holes to accept two PC-type RS-232 connectors. Two buses, 1020 solder-ringed holes in DIP pattern for circuitry. **276-187** ..... **7.95**
- (3) **Multipurpose Plug-in Board.** 11.4 x 10.2cm with 1.6mm grids. Two buses. **276-152** ..... **5.95**
- (4) **Jumbo Plug-in Board.** 11.4 x 24.3cm. Accepts up to twenty-four 16-pin DIP sockets with plenty of room for discretes. Two supply buses. **276-190** ..... **12.95**
- (5) **Jumbo IC/Discrete Board.** Like Fig. 4 but accepts up to forty 16-pin DIPs. Single bus. **276-191** ..... **12.95**
- (5) **44-Position Card Edge Socket.** **276-1551** ..... **6.95**

## Predrilled PC Boards



### Etched Patterns—Ready for Your Circuits

**Grid Boards.** Accept DIP ICs, sockets and headers. Columns and rows are indexed to help you identify component pin outs. Solder-ringed holes.

Size (cm)	Holes	Cat. No.	Each
11.4 x 16.8	2200	276-147	5.95
7 x 9.5	750	276-158	3.99
4.7 x 7.2	356	276-149	1.69

**Dual Version of #276-158.** **276-161** ..... **5.95**

(7) **Universal PC Board.** Accepts ICs up to 40 pins. Has a total of 750 indexed, solder-ringed holes, two buses, one grounding strip, mounting holes at corners. 8.6 x 7.3cm. **276-168** ..... **4.29**

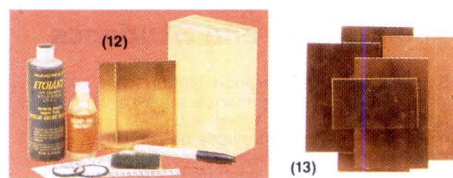
(8) **IC/LSI Board.** For LSI ICs up to 40 pins. Has 750 solder-ringed holes and is indexed on both sides. DIP centers. 7.1 x 9.5cm. **276-162** ..... **3.99**

(9) **Multipurpose Board.** Two bus strips at the center. PC pattern printed on component side speeds building. 417 solder points. 4.7 x 7.2cm. **276-150** ..... **1.69**

(10) **Dual Mini General-Purpose Board.** 213 holes. 4.4 x 9.2cm. Can be snapped in half. **276-148** ..... **2.19**

(11) **Dual IC Board.** Accepts two 6 to 20-pin DIP's. Four connecting points for each IC pin. 4.4 x 8.6cm. **276-159** ..... **2.99**

## Etch Your Own PC Boards



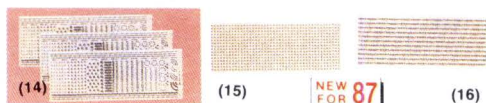
(12) **PC Board Kit.** Everything you need to get started! Includes two 11.4 x 7.6cm solid copper-clad boards, resist-ink pen and solvent, etchant, layout strips and circles, tank, 1/16" drill bit and instructions. **276-1576** ..... **24.95**

**Extra Pen.** **276-1530** ..... **2.99**

**Extra Etching Solution.** 473ml in plastic bottle. **276-1535** ..... **6.95**

(13) **PC Board Assortment.** 548 sq.cm. May include phenolic, glass, double and single-sided boards. Keep some on hand for unexpected projects. **276-1591** ..... **3.99**

## PC Rub-Ons for "Pro" Results



(14) **Direct-Etch Dry Transfers.** Just use a pencil to transfer circuit traces to a copper clad board and you're ready to etch. Includes four sheets of circles, strips, IC pads, transistor pads and more. **276-1577** ..... **Set 5.95**

(15) **NEW! Round Pads.** Includes two 9.5 x 17.6cm sheets of general-purpose 2.5mm diameter pads. **276-1592** ..... **5.95**

(16) **NEW! IC Pads.** ICs only! Two 9.5 x 17.6cm sheets of pads arranged in standard DIP format. **276-1593** ..... **5.95**

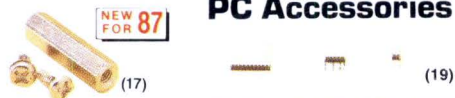
## IC-Spacing Perforated Boards

Low As **3<sup>99</sup>**

If you prefer wrapping or point-to-point wiring, these are for you. All have 1mm prepunched holes in standard 2.5 x 2.5mm grid pattern.

Size (cm)	Cat. No.	Each
11.4 x 15.2	276-1394	4.99
7 x 15.2	276-1395	3.99
15.2 x 20.3	276-1396	6.95

## PC Accessories



(17) **PCB Standoffs With Screws.** 20mm-high metal studs hold boards in place. **276-195** ..... **Set of 4/2.19**

(18) **PC Board Wire Terminals.** Two-position. **276-1388**, Pkg. of 4/4.39

(19) **Header Assortment.** Total of 200 contacts. **276-1658** ..... **4.99**

## Dry Label Transfers

**5<sup>95</sup>** Four Sheets

The easy way to add professional labeling to projects. Includes rub-on letters, symbols, numbers and control calibration marks. For plastic and metal surfaces. **270-201** ..... **Set 5.95**

## Archer Enclosures—The Ideal Finishing Touch!



### High-Style Two-Tones

Easy-to-work metal with eggshell white bottoms, black tops. Include assembly hardware and protective rubber feet.

Low As **13<sup>95</sup>**

Size (cm)	Cat. No.	Each
4.9 x 21 x 15.6	270-272	13.95
7.8 x 21 x 15.6	270-274	17.95

## Metal Cabinets

Low As **5<sup>95</sup>**

Vented steel tops, easy-to-work aluminum chassis, protective rubber feet, and hardware.



Size	Cat. No.	Each
8.3 x 5.4 x 10.2cm	270-251	5.95
13.3 x 7.6 x 14.9cm	270-253	8.95

## Utility Box

**NEW FOR 87**

**11<sup>95</sup>**

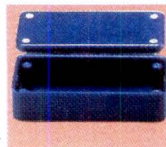


**Black Plastic Box with Cooling Vents.** Snap together design for easy assembly. No screws required. Removable front and back panels. 135 x 93 x 47mm. **270-9520** ..... **11.95**

## Economy Cases

Low As **4<sup>49</sup>**

Styrene with internal slots for PC boards.



Size (cm)	Cat. No.	Each
10.2 x 5.1 x 2.1	270-220	4.49
10.2 x 6.2 x 2.8	270-221	4.99
12.1 x 6.4 x 3.6	270-222	5.95
15.2 x 8.1 x 4.8	270-223	6.95
19.1 x 11 x 5.6	270-224	7.95

## Experimenter Box Bargains

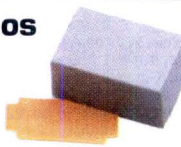
Plastic bodies, aluminum covers. Low As **4<sup>29</sup>**

Size (cm)	Cat. No.	Each
8.3 x 5.4 x 2.9	270-230	4.29
10.2 x 5.4 x 4.1	270-231	4.69
12.9 x 6.7 x 4.1	270-233	5.49
15.9 x 9.5 x 5.1	270-627	6.95
19.7 x 11.1 x 6	270-232	7.95



## Box and PC Combos

**NEW FOR 87** Low As **6<sup>95</sup>**



Handsome deep gray plastic enclosures include IC-spaced 2.5mm (pitch) general-purpose etched and drilled PC board. Aluminum covers. Include screws and self-sticking vinyl feet. 5.4 x 8.4 x 3.5cm. **270-283** ..... **6.95**

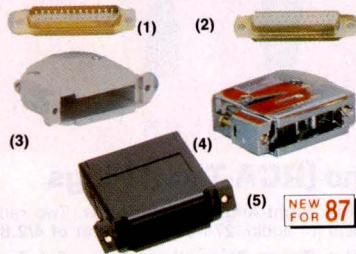
7 x 10.6 x 3.2cm. **270-284** ..... **7.95**



# WE ARE YOUR CONNECTOR CONNECTION

## Hookups for Computers, Peripherals, Video Games

### Solder-Type D-Sub



**Solder-Type "D" Subminiature Connectors.** Top quality. Perfect for computer interfacing and building your own extension cords.

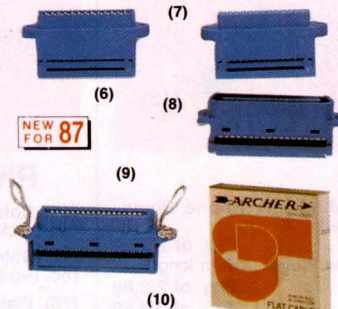
Type	Positions	Cat. No.	Each
D-Sub Male	9	276-1537	3.49
D-Sub Female	9	276-1538	4.99
Hood for Above	9	276-1539	4.49
Sub-D Male	15	276-1527	4.99
Sub-D Female	15	276-1528	5.95
Hood for Above	15	276-1529	4.99

Fig.	Type	Positions	Cat. No.	Each
1	D-Sub Male	25	276-1547	4.99
2	D-Sub Female	25	276-1548	5.95
3	Hood for Above	25	276-1549	4.99

(4) **Shielded 25-Position Hood.** Metalised plastic. Preserves EMI/RFI protection when used with shielded cable. **276-1536** ..... 4.99

(5) **NEW! Multipurpose Hood.** Use as standard hood or accepts two 25-position D-sub solder-type connectors for custom null modem adapters. **276-1520** ..... 4.49

### For Ribbon Cable



#### Solderless RS232 Connectors.

Fig.	Type	Cat. No.	Each
6	D-Sub 25 Male	276-1559	9.95
7	D-Sub 25 Female	276-1565	11.95

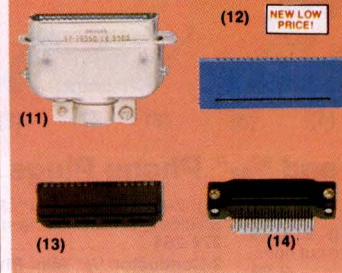
(8) **NEW LOW PRICE! 36-Position Male Printer Connector.** For fast repair of damaged printer connectors. Use instead of replacing the entire cable assembly. Was \$11.95 in '86 catalog. **276-1533** ..... 9.95

(9) **NEW! 36-Position Female Printer Connector.** Use with male connector (above) and ribbon cable (below) to build your own printer cable extensions. Latch locks included. **276-1523** ..... 11.95

#### (10) RS232 Ribbon Cable.

Conductors	Cat.No.	Price
26	276-9772	3.29/metre
34	276-9773	3.99/metre

### For Peripherals



(11) **Printer Connector.** Solder-type 36-position connector for parallel printers (Centronics). Heavy-duty metal construction. **276-1534** ..... 9.95

(12) **34-Position Card-Edge Connector.** Solderless. For disk drives. **276-1564** ..... 7.95

(13) **34-Position Header Connector.** With strain relief for ribbon cable. Fits parallel printer port of many microcomputers. **276-1525** ..... 4.99

**26-Position Header Connector.** As above. **276-9525** ..... 4.99

(14) **Sub-D 25-Position Right-Angle Connector.** Use with 276-187 PC board for interface projects. **276-1521** ..... 6.95

## Speaker Terminal Plate

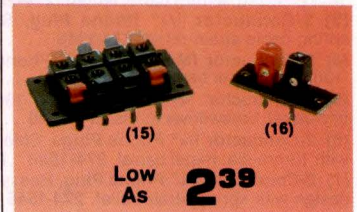
**4<sup>99</sup>**



**Ideal for Hi-Fi and PA Speakers**

Recessed design lets you mount enclosure close to wall. Spring terminals for easy wire hookup, plus centered RCA-type phono jack with removable plug to maintain acoustic "seal" of speaker system. **274-625** ..... 4.99

## Pushbutton Terminals



**Low As 2<sup>39</sup>**

(15) **Eight-Position.** Spring-action lever for quick hookup and positive contact. Moulded board with mounting holes 3cm apart. **274-623** ..... 5.95

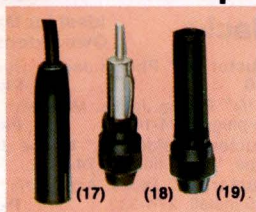
**Four-Position Version of Above.** Holes 6cm apart. **274-622** ..... 3.99

**Two-Position Version.** **274-621** ..... 3.19

(16) **Two-Position Push Terminals.** Spring-action insertion/release. 5.4 x 1.9cm board, mounting holes 3.5cm apart. **274-315** ..... 2.39

## "Car Radio" Hookups

**1<sup>99</sup>**  
Pkg.  
Of 2

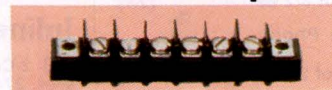


(17) **Inline Motorola-Type Jack With 11.4cm Shielded Cable.** **274-713** ..... 1.99

(18) **Solderless Motorola-Type Plug.** **274-709** ..... 1.99

(19) **Solderless Motorola-Type Jack.** **274-710** ..... 1.99

## Barrier Strips

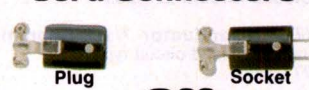


**Low As 2<sup>49</sup>**

#### Single-Row Barrier Strips

Position	Cat.No.	Each
2	274-646	2.49
4	274-647	3.49
6	274-648	3.99
8	274-649	4.99

## Cord Connectors



**Low As 3<sup>99</sup>** Each

#### Heavy-Duty Power Types

Indexed pins. Plugs fit only one way, and only into matching inline socket. 7.5 amps, 500 volts max. per pin.

Type	Pins	Cat. No.	Each
Plug	2	274-201	3.99
Socket	2	274-202	4.49
Plug	4	274-204	4.69
Socket	4	274-205	4.89

## Barrier Strips



(20) **Dual-Row.** 2 terminals per position. **8-Position.** **274-670** ..... 3.99

(21) **Eight-Position Jumper.** Connects terminals of barrier strips. **274-650** ..... 3.99

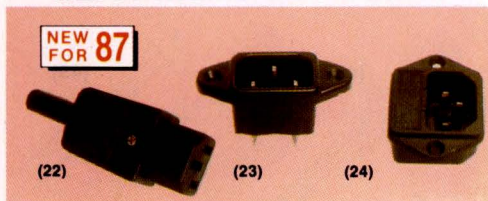
## Terminal Strips



"European" Barriers. Safety recessed set-screws. Great for alarm systems. **8-Position.** **274-678** ..... 2.49

**12-Position.** **274-679** ..... 2.99

## I.E.C. Mains Connectors



#### Rated 6A 250V AC

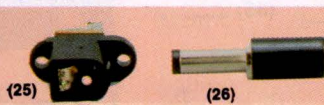
(22) **3-Pin Female Line Plug With Cable Clamp.** EA Approval #N10307. **274-9506** ..... 3.99

(23) **3-Pin Male Chassis Socket.** EA Approval #CS9139N. **274-9507** ..... 2.99

(24) **3-Pin Male Chassis Socket With M205 Fuse Holder.** EA Approval #CS9139N. **274-9508** ..... 5.95

## DC Power Connectors

**Low As 1<sup>99</sup>**  
Pkg. of 2



(25) **Coaxial DC Power Jacks.** For adding DC power jacks to equipment or replacement. Mate with plugs below. 5.0 mm outside diameter, 2.1 mm inside diameter. Include mounting hardware. **274-1565** ..... Pkg. of 2/1.99

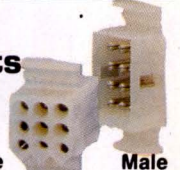
(26) **Coax Plug.** Use to replace or change power adapter connectors to fit external power sockets of most battery-operated equipment.

O.D.	I.D.	Cat No.	Pkg. of 2
3.5 mm	1.3 mm	274-1571	2.79
5.0 mm	1.6 mm	274-1570	1.99
5.0 mm	2.1 mm	274-1567	1.99
5.0 mm	2.5 mm	274-1568	1.99
5.5 mm	2.1 mm	274-1569	1.99
5.5 mm	2.5 mm	274-1573	1.99
6.3 mm	3.0 mm	274-1572	2.19

## Multi-Conductor Quick-Disconnects

**Low As 2<sup>79</sup>** Pair

Female Male



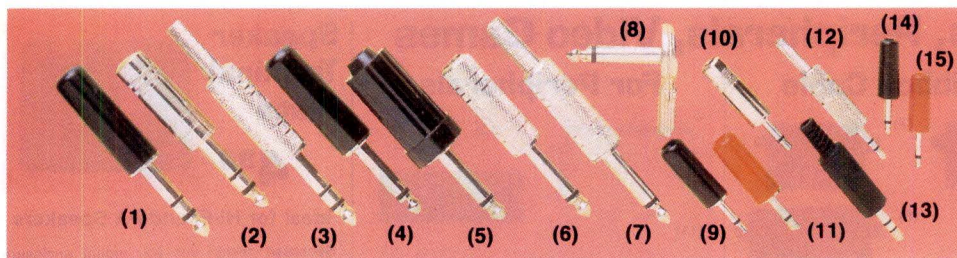
Durable, highest quality nylon connectors for electronic, appliance and automotive use. Polarized to assure proper hookup. Each circuit rated 8 amps at 125 VAC.

No. of Pins	Type	Cat. No.	Each
4	Male	274-224	3.29
6	Male	274-226	3.99
9	Male	274-229	4.29
12	Male	274-232	4.69
4	Female	274-234	3.29
6	Female	274-236	3.99
9	Female	274-239	4.29
12	Female	274-242	4.69

**Two-Pin Male/Female Set.** **274-222** ..... Pair/2.79



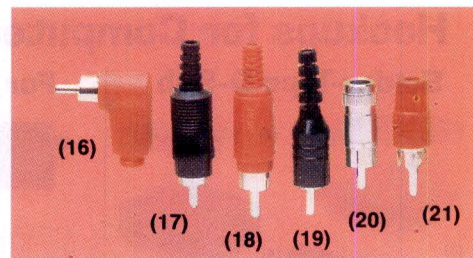
# CONNECT WITH ARCHER® PLUGS AND JACKS



## 1/4", 1/8", and 3/32" Phone Plugs

- (1) 3-Conductor (Stereo) 1/4" Phone Plugs. Slim type with black shell. 274-139 ..... Pkg. 2/3.29  
 (2) 3-Conductor 1/4" Phone Plug. Shielded to cut hum. Nickel plated. 41mm barrel length. 274-285 ..... 2.99  
 (3) 3-Conductor 1/4" Phone Plug. Shielded. With spring cable strain relief. 274-1546 ..... 3.79  
 (4) 2-Conductor (Monaural) 1/4" Phone Plugs. Slim 13mm-diameter barrel. 274-1536 ..... Pkg. of 2/3.59  
 (5) 2-Conductor 1/4" Phone Plugs. 19mm-dia. sure-grip barrel. Screwdriver terms. 274-1539 ..... Pkg. 2/3.69  
 (6) 2-Conductor 1/4" Phone Plugs. Shielded, slim type with 13mm-dia. metal barrel. 274-1544 ..... Pkg. of 2/4.99  
 (7) 2-Conductor 1/4" Phone Plug. Heavy-duty shielded design with spring strain relief. 274-1545 ..... 2.99

- (8) 2-Conductor 1/4" Right-Angle Phone Plugs. Shielded, screwdriver terminals. 274-254 ..... Pkg. of 2/3.19  
 2-Conductor 1/8" Mini Phone Plugs. 41mm long.  
 (9) Black. 274-286 ..... Pkg. of 2/2.89  
 (10) Shielded. 274-288 ..... Pkg. of 2/2.99  
 (11) Red. 274-287 ..... Pkg. of 2/2.89  
 (12) 3-Conductor Shielded 1/8" Mini Phone Plug. With strain relief spring. 274-1547 ..... 3.69  
 (13) 3-Conductor 1/8" Mini Phone Plugs. Solder terminals. 274-284 ..... Pkg. of 2/3.99  
 2-Conductor 3/32" Submini Phone Plugs. Solder terminals. 24mm long. Sets of 2  
 (14) Black. 274-289, 2/1.99  
 (15) Red, 274-290, 2/1.99



## Phono (RCA-Type) Plugs

- (16) Solderless Right-Angle Phono Plugs. Two red, two black. Ideal for audio. 274-383 ..... Set of 4/2.89  
 (17) Solderless Phono Plugs. With strain relief. Two red, two black. 274-384 ..... Set of 4/2.99  
 (18) Plastic Phono Plugs. Mate with any phono jacks. Twist-together plastic housing. 274-319 ..... 4/2.59  
 (19) Phono Plugs. Three black, three red. Plastic sleeving prevents shorts. 274-451 ..... Pkg. of 6/2.79  
 (20) Shielded Phono Plugs. Easy to solder. Mate with all phono jacks. 274-339 ..... Pkg. of 2/2.79  
 (21) Color-Coded Phono Plugs. Plastic covers. Internal cable clamp. Assorted colors. 274-321 ..... Pkg. of 8/2.99

## DIN/Phono Adapter

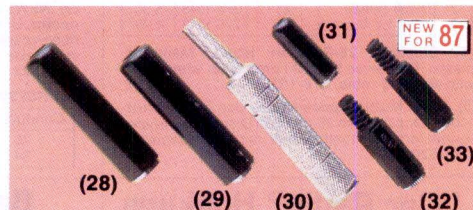


**3.99**

5-Pin 180° DIN plug to phono jack. 274-9554 ..... 3.99

## Open-Frame Jacks

- (22) 2-Conductor 1/4" Open Circuit. 274-252 ..... 2/2.49  
 2-Conductor 1/4" Closed Circuit. 274-255, 2/2.69  
 3-Conductor 1/4" Open Circuit. 274-312 ..... 2/3.29  
 (23) 2-Conductor 1/8" Miniature Phone Jacks. Mount in 1/4" hole. Usable in panels up to 3mm thick. Open Circuit. 274-251 ..... Pkg. of 3/2.49  
 Closed Circuit. 274-253 ..... Pkg. of 3/2.69  
 (24) 2-Conductor 3/32" Subminiature Phone Jacks. Closed circuit type. 274-292 ..... Pkg. of 2/1.99



## Inline Jacks

Ideal for Making Your Own Extension Cords

- (28) 2-Conductor 1/4" Phone Jacks. Durable plastic shell. 274-340 ..... Pkg. of 2/2.99  
 (29) Stereo 1/4" Phone Jacks. Mate with 3-conductor stereo phone plugs. 274-141 ..... Pkg. of 2/3.49  
 (30) 3-Conductor Shielded 1/4" Phone Jack. Heavy-duty metal type, "grip" finish. 274-142 ..... 4.99  
 (31) 2-Conductor 1/8" Jacks. Accept 1/8" mini phone plugs. Easy to install. 274-333 ..... Pkg. of 2/2.29  
 (32) 3-Conductor 1/8" Jacks. Ideal for extension cords for stereo portables. 274-274 ..... 2/2.69  
 (33) NEW! 3-Conductor 3/32" Jack. Increasingly popular size for personal stereos. 274-273, Pkg. of 2/2.99

## Audio Cable

Flat four core audio cable. Each core separately shielded and covered with black PVC. Color-coded. 4 x 10/0.1mm conductors. O.D. 4 x 2.5mm. 278-9514 ..... m/99¢

## Enclosed Jacks

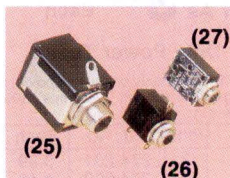


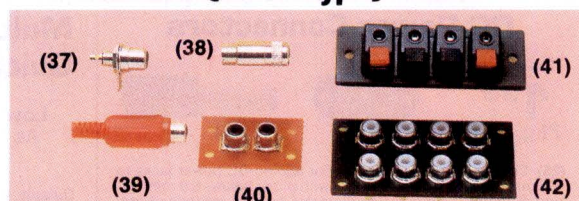
Fig.	Size	Cond.	Circuit	Cat. No.	Price
25	1/4"	2	Open	274-280	1.49
26	1/8"	2	Open	274-297	2/1.99
26	1/8"	2	Closed	274-296	2/2.19
27	1/8"	3	Open	274-249	2/2.99
27	1/8"	3	Closed	274-250	2/3.19

## Mike Connectors



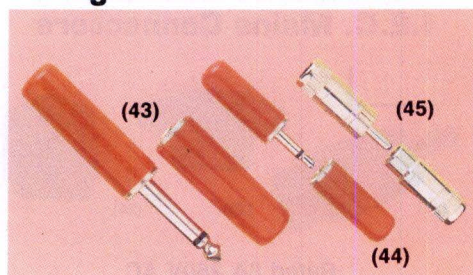
- (34) NEW! 8-Pin Mike Plug. Fits popular Ham transceivers. Great for adding accessories. Cable strain relief. 274-025 ..... 4.59  
 (35) 4-Pin Plug. Many communications uses. Cable strain relief. 274-001 ..... 3.49  
 (36) 4-Pin Chassis-Mount Socket. Accepts 4-pin plug. 274-002 ..... 2.19

## Phono (RCA-Type) Jacks



- (37) Shielded Phono Jacks. Fits 1/4" mounting hole. Solder lug terminals. 274-346 ..... Pkg. of 4/4.29  
 (38) Shielded Inline Phono Jacks. Solder lugs. Metal construction prevents hum. 274-338 ..... Pkg. of 2/2.29  
 (39) Plastic Inline Phono Jacks. Hex-shape. Strain relief, twist-together plastic housing. 274-337 ..... Pkg. of 4/2.19  
 (40) Dual Phono Jacks. Chassis mount for stereo changers, amplifiers, receivers, more. 274-332 ..... Pkg. of 2/1.69  
 (41) 4-Position Phono Jack Board. 274-322 ..... 1.79  
 (42) 8-Position Phono Jack Board. 274-370 ..... 2.99

## Plug and Inline Jack Sets



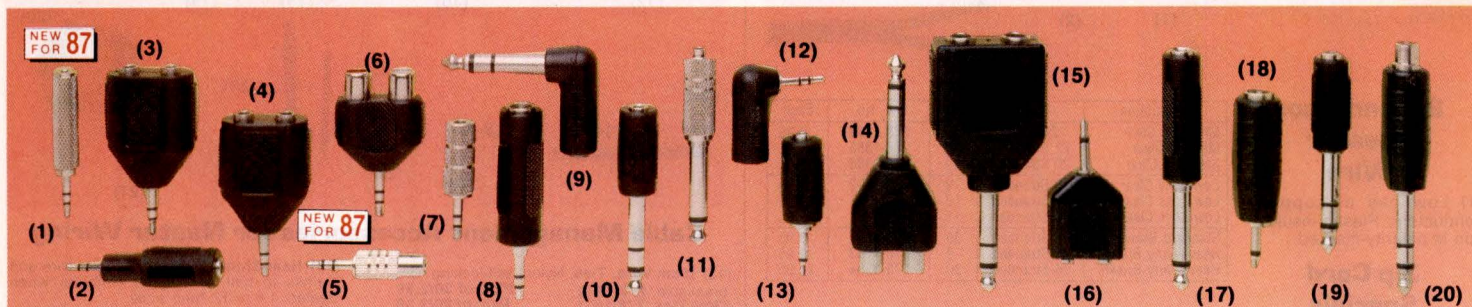
- (43) 1/4" 2-Conductor. Two plugs, two jacks. One set red, one black. Screwdriver terminals. 274-1241 ..... Pkg. of 2 Sets/4.99  
 (44) 1/8" 2-Conductor. 274-283 ..... 2 Sets/3.49  
 (45) Shielded Phono Plugs, Jacks. Two phono plugs and two jacks. 274-334 ..... Pkg. of 2 Sets/3.29



# PLUG ADAPTERS AND XLR CONNECTORS

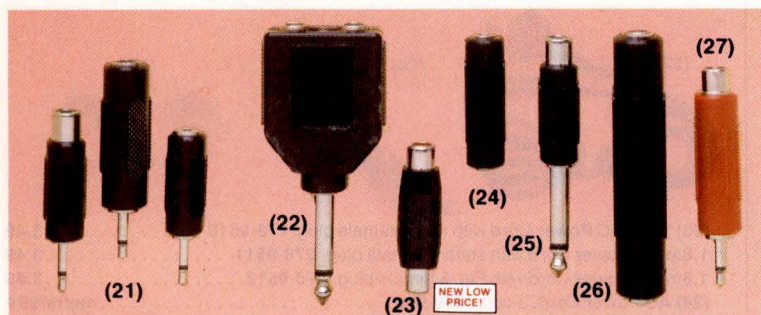
## Headphone and Dubbing Adapters

Adapters on this page provide reliable hookups between different connector formats. Many are Tandy exclusives and all (except XLRs) will handle line and speaker level signals.



- (1) **NEW! Accepts  $\frac{3}{32}$ " Stereo Plug. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** Lets you use stereo headphones having a submini plug with portable players. 274-377 ..... 3.59
- (2) **Accepts  $\frac{1}{8}$ " Stereo Plug. Plugs Into  $\frac{3}{32}$ " Stereo Jack.** 274-373 ..... 5.29
- (3) **Accepts Two  $\frac{1}{8}$ " Monoaural Plugs. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** Separate left and right channel outputs from a single  $\frac{1}{8}$ " stereo jack. 274-375 ..... 5.95
- (4) **Accepts Two  $\frac{1}{8}$ " Stereo Plugs. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** "Y" adapter lets you use two stereo headsets with one personal stereo. 274-313 ..... 5.95
- (5) **NEW! Accepts Phono Plug. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** Combines left and right channels. 274-378 ..... 3.19
- (6) **Accepts Two Phono Plugs. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** L-R color-coded. Use as a combiner or splitter. 274-369 ..... 3.99
- (7) **Accepts  $\frac{1}{8}$ " Monoaural Plug. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** Combines left and right channels from an  $\frac{1}{8}$ " stereo jack for monoaural headphones. 274-374 ..... 2.79
- (8) **Accepts  $\frac{1}{4}$ " Stereo Plug. Plugs Into  $\frac{1}{8}$ " Stereo Jack.** Use "home-type" stereo headphones with personal stereo portables. 274-366 ..... 4.99
- (9) **Accepts  $\frac{1}{8}$ " Stereo Plug. Plugs Into  $\frac{1}{4}$ " Stereo Jack.** Right-angle type. Use mini stereo headphones with equipment having  $\frac{1}{4}$ " stereo jacks. 274-371 ..... 4.99
- (10) **Straight Version of Fig. 9.** 274-367 ..... 4.79

- (11) **Accepts  $\frac{1}{8}$ " Stereo Plug. Plugs Into  $\frac{1}{4}$ " Monoaural Jack.** Use comfortable "mini" stereo headphones with Ham, shortwave, CB and scanner radios. 274-348, 3.59
- (12) **Accepts  $\frac{1}{8}$ " Stereo or Monoaural Plug. Plugs Into  $\frac{1}{8}$ " Stereo or Monoaural Jack.** For tight spaces. 90° bend helps prevent cord damage. 274-372 ..... 3.99
- (13) **Accepts  $\frac{1}{8}$ " Stereo Plug. Plugs Into  $\frac{1}{8}$ " Monoaural Jack.** Use "mini" stereo headphones with TVs, portable radios, recorders. 274-368 ..... 2.79
- (14) **Accepts Two Phono Plugs. Plugs Into  $\frac{1}{4}$ " Stereo Jack.** "Y"-adapter for playback or recording. L-R color coded. 274-308 ..... 5.95
- (15) **Accepts Two  $\frac{1}{4}$ " Stereo Plugs. Plugs Into  $\frac{1}{4}$ " Stereo Jack.** Share your music! Use two stereo headphones with one  $\frac{1}{4}$ " stereo headphone jack. 274-302 ..... 5.95
- (16) **Accepts Two  $\frac{1}{8}$ " Monoaural Plugs. Plugs Into  $\frac{1}{8}$ " Mono Jack.** 274-310, 3.29
- (17) **Accepts  $\frac{1}{4}$ " Stereo Plug. Plugs Into  $\frac{1}{4}$ " Monoaural jack.** Use stereo headphones with CB, ham, shortwave, scanner radios. 274-360 ..... 3.39
- (18) **Accepts  $\frac{1}{8}$ " Stereo Plug. Plugs Into  $\frac{1}{8}$ " Monoaural Jack.** Same function as Fig. 17, but for equipment having  $\frac{1}{8}$ " jack. 274-361 ..... 3.39
- (19) **Accepts  $\frac{1}{8}$ " Monoaural Plug. Plugs Into  $\frac{1}{4}$ " Stereo Jack.** Permits listening or recording in mono from  $\frac{1}{4}$ " stereo headphone jack. 274-363 ..... 3.59
- (20) **Accepts Phono Plug. Plugs Into  $\frac{1}{4}$ " Stereo Jack.** 274-365 ..... 2.99



## Adapters for Various Hookups

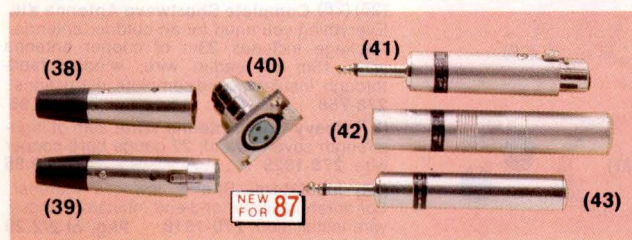
- (21) **Three-Piece Monoaural Adapter Set.** Accept  $\frac{3}{32}$ " submini plug,  $\frac{1}{4}$ " phone plug, phono plug. All plug into  $\frac{1}{8}$ " monoaural jack. 274-359 ..... **Set 5.49**
- (22) **Accepts Two  $\frac{1}{4}$ " Monoaural Phone Plugs. Plugs Into  $\frac{1}{4}$ " Monoaural Jack.** Use two mikes with single mike input on recorder or amplifier. 274-309 ..... 5.49
- (23) **Accepts Two Phono Plugs.** Connects two cables with phono plugs. 274-1553 ..... **Pkg. of 2/3.19**
- (24) **Accepts Two  $\frac{1}{8}$ " Stereo or Mono Plugs.** 274-1555 ..... 2.99
- (25) **Accepts Phono Plug. Plugs Into  $\frac{1}{4}$ " Monoaural Phone Jack.** 274-320 ..... **Pkg. 2/4.49**
- (26) **Accepts Two  $\frac{1}{4}$ " Stereo or Mono Phone Plugs.** 274-1556 ..... 3.99
- (27) **Signal Reducer.** Accepts Phono Plug. Plugs Into  $\frac{1}{8}$ " Monoaural Jack. Built-in 40 dB attenuator lets you use a portable recorder's mike input to tape from line-level aux or tape-out sources without distortion. 274-300 ..... 4.49

## Shielded Monoaural Adapters

Metal Shielding Eliminates "Hum"



- (28) **Accepts  $\frac{1}{8}$ " Plug. Plugs Into  $\frac{1}{4}$ " Jack.** 274-325 ..... 2.29
- (29) **Accepts  $\frac{1}{8}$ " Plug. Plugs Into Phono Jack.** 274-326 ..... 2.29
- (30) **Accepts  $\frac{3}{32}$ " Submini Plug. Plugs Into  $\frac{1}{8}$ " Jack.** 274-328 ..... 2.39
- (31) **Accepts  $\frac{1}{8}$ " Plug. Plugs Into  $\frac{3}{32}$ " Submini Jack.** 274-327 ..... 2.29
- (32) **Accepts  $\frac{1}{4}$ " Phone Plug. Plugs Into  $\frac{1}{8}$ " Jack.** 274-047 ..... 2.49
- (33) **Accepts  $\frac{1}{4}$ " Phone Plug. Plugs Into Phono Jack.** 274-389, Pkg. of 2/4.99
- (34) **Accepts Phono Plug. Plugs Into  $\frac{1}{8}$ " Jack.** 274-330 ..... 2.99
- (35) **Accepts Two Phono Plugs. Plugs Into Phono Jack.** "Y"-adapter for combining or dividing monoaural signals. 274-303 ..... 3.99
- (36) **Accepts Two Phono Plugs. Plugs Into  $\frac{1}{4}$ " Phone Jack.** "Y"-adapter for combining or dividing signals. 274-304 ..... 3.99
- (37) **NEW! Accepts Phono Plug. Plugs Into Phono Jack.** 90° bend is ideal for tight spaces—helps prevent broken jacks and cable damage. 274-306 ..... 3.99



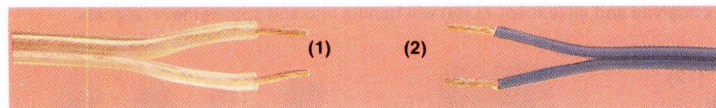
## XLR Connectors and Adapters

For "Pro" Audio Systems

- (38) **3-Pin Plug.** All-metal die-cast body for durability and shielding. Satin finish. 274-010 ..... 7.95
- (39) **3-Pin Inline Socket.** Mates with Figs. 38 and 42. Cable strain relief. 274-011 ..... 7.95
- (40) **3-Pin Panel Socket.** Latching type with pushbutton release. Accepts Figs. 38 and 42. 274-013 ..... 9.95
- (41) **Adapter/Transformer.** Accepts XLR Plug. Plugs Into  $\frac{1}{4}$ " Phone Jack. Use XLR mike with amplifier or recorder that has  $\frac{1}{4}$ " jack. Adapts low-Z balanced to high-Z unbalanced input. 274-016 ..... 18.95
- (42) **Adapter/Transformer.** Accepts  $\frac{1}{4}$ " Phone Plug. Plugs Into XLR Jack. Use high-Z unbalanced mike with equipment that requires low-Z balanced input. Use with 274-016 (above) for long cable runs to minimize high-frequency loss. 274-017 ..... 17.95
- (43) **NEW!  $\frac{1}{4}$ " Hi/Lo Matching Transformer.** Accepts  $\frac{1}{4}$ " Phone Plug. Plugs Into  $\frac{1}{4}$ " Phone Jack. Use a low-impedance mike or balanced line with high-impedance unbalanced inputs. Great for PA and recording equipment. 274-023 ..... 16.95



# TANDY IS YOUR WIRE AND CABLE CENTRE



## 2-Conductor Speaker Wire

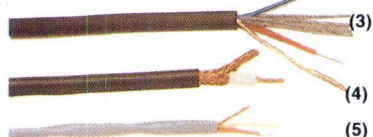
(1) Low-loss all-copper conductors. Plastic insulation is polarity-marked.

## Zip Cord Specials

(2) Twin-conductor stranded copper wire with plastic insulation.

Description	Gauge	metre	Cat. No.	Each
Miniature Clear	24 Solid	23	278-1509	5.95
Medium Clear	22 Stranded	30	278-1385	9.95
Standard Clear	20 Stranded	23	278-1388	11.95
Low-Loss Clear	18 Stranded	9	278-1602	7.95
Low-Loss Clear	18 Stranded	18	278-008	13.95
Low-Loss Clear	16 Stranded	15	278-1267	16.95
Standard Brown	20 Stranded	30	278-1387	13.95
Heavy-Duty Brown	16 Stranded	9	278-1263	9.95
Heavy-Duty Brown	16 Stranded	30	278-1384	24.95

Description	Gauge	metre	Cat. No.	Each
2-Conductor, Plastic	18	9	278-864	6.95
Miniature, Plastic	24	15	278-1301	6.95
2-Conductor, Plastic	20	9	278-1265	6.95
2-Conductor, Plastic	18	30	278-1264	18.95



## Shielded Cable

### Spiral or Braided Shield

Low-loss cable for mikes, audio and communications equipment. All-copper conductors.

(3) 2-Core fully shielded heavy duty microphone cable. 278-9517 . . . . .metre/1.99

Fig.	Description	metre	Cat. No.	Each
4	Heavy-Duty With Braided Shield	12	278-751	14.95
4	Single-Conductor With Braided Shield	6	278-1277	5.95
5	2-Conductor With Spiral Wrap Shield	6	278-1276	6.95



## Hook-Up Wire Packs

### Solid or Stranded

†Total metres.

### 3 Spools, 3 Assorted Colors

Fig.	Type	Ga.	†m	Cat. No.	Each
7	Stranded	18	14	278-1303	5.95
7	Stranded	20	18	278-1304	5.95
6	Solid	22	27	278-1306	5.95
7	Stranded	22	23	278-1307	5.95

### (7) Single Spools, Stranded

Color	Ga.	†m	Cat. No.	Each
Red	10	100	278-9630	6.95
Black	10	100	278-9631	6.95
Green	10	100	278-9632	6.95
Yellow	10	100	278-9633	6.95
Blue	10	100	278-9634	6.95
White	10	100	278-9635	6.95

## Test-Probe Wire



Flexible plastic insulation, 20-gauge stranded copper. 7.6m long.

Red. 278-553 . . . . .4.99  
Black. 278-554 . . . . .4.99

## Two-Conductor Bonded

18-gauge stranded. Red and black insulation. 7.6m. 278-1250 . . . . .7.95

## Heavy-Duty Wire

12-gauge, 6.1m length.

Red. 278-1289 . . . . .6.95  
Black. 278-1280 . . . . .6.95



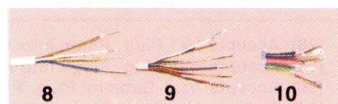
## Rainbow Wire Packs

Colors may vary from photo

Flexible flat cable, color-coded PVC insulation. For low-voltage hookups, intercoms. 24-gauge solid copper.

2-Conductor, 10.7m. 278-755 . . . . .5.95  
4-Conductor, 7.6m. 278-757 . . . . .5.95

## Telephone Cable



(8) 2-Pair twisted phone/intercom cable. 4 x 1 strand/0.5mm tinned conductors, color-coded. 278-9527 . . . . .metre/39c

(9) 3-Pair twisted phone/intercom cable. 6 x 1 strand/0.5mm tinned conductors, color-coded. 278-9528 . . . . .metre/59c

(10) Modular Cable. Four conductors, 26-gauge, color-coded insulation.

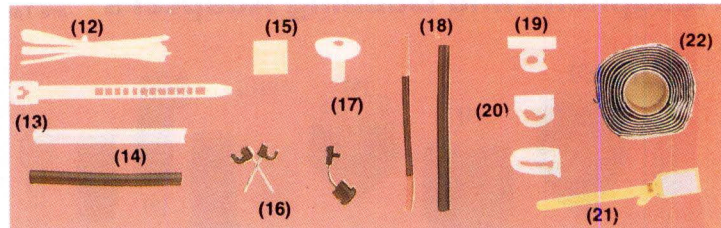
15 metres. 278-365 . . . . .11.95  
30 metres. 278-366 . . . . .21.95

## Alarm/Security Cable



(11) 2-pair Alarm Cable. Color-coded 4 x 7 strands/0.18mm conductors, O.D. 43mm. 278-9515 . . . . .metre/49c

3-pair Alarm Cable. Color-coded 6 x 7 strands/0.18mm conductors, O.D. 5.5mm. 278-9516 . . . . .metre/79c



## Cable Management Accessories for Neater Wiring

(12) 10cm Wire. Ties. Nylon, self-locking. Unbreakable. 278-1632 . . . . .Pkg. of 30/2.59  
13cm Ties. 278-1631 . . . . .Pkg. of 30/3.39  
20cm Ties. 278-1642 . . . . .Pkg. of 30/4.59

(13) AC Cord Ties. For power cords and other cables. 278-1646 . . . . .Pkg. of 6/99c

(14) Spiral Wrap. Neatly bundles long lengths of wire. Includes 1.5m clear, 1.5m black. 10mm diameter. 278-1638 . . . . .Pkg. of 3/4.99

(15) Wire-Tie Mounts. Self-adhesive, hold ties to any smooth, non-porous surface. 19 x 19mm. 278-441 . . . . .Pkg. of 10/2.89

(16) Coax Clips. Slip over cable and nail to wall. Keeps cable neat and secure.

For RG58/U. 20-192 . . . . .Pkg. of 10/1.99  
For RG8/U. 20-193 . . . . .Pkg. of 6/1.99

(17) Cable Feedthrough Bushing. For neat installation of RG6 and RG8M cables.

278-1644 . . . . .Pkg. of 2/79c  
Bushing For RG59, RG58 and RG62 Cables. 278-1643 . . . . .Pkg. of 2/79c

(18) Heat-Shrink Tubing. Fits over wire and shrinks to half its original diameter when heated. 1.6 to 12.7mm sizes.

278-1627 . . . . .Pkg. of 7/3.49

Heat Shrink Kit contains five 1m lengths. Black diameters: 1.5mm, 3.5mm, 7mm. Red diameters: 2.5mm, 5mm. Simply use a match or lighter to shrink. 278-9627 . . . . .8.95

(19) Cable Clips. For cables up to 9.5mm dia. Self-adhesive. For smooth, non-porous surfaces. 278-1640 . . . . .Pkg. of 10/4.99

(20) Cable Clips. Adjusts to wire size, up to 12.7mm diameter. Self-adhesive.

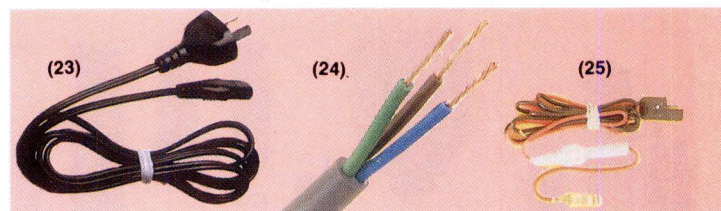
278-1639 . . . . .Pkg. of 10/4.99

(21) Cable Tie/Marker. Makes it easy to identify wiring. Easily marked with ball-point or felt-tip pen. For cables up to 16mm diameter.

278-1648 . . . . .Pkg. of 10/4.99

(22) TV/RF Connector Sealant Tape. Ideal for TV antenna, satellite dish and other outdoor connections. Waterproof, non-corrosive. Stays flexible. 278-1645 . . . . .4.99

## Replacement Cords



(23) 1.8m AC Power Cord with round female plug. 278-9510 . . . . .3.49

1.8m AC Power Cord with square female plug. 278-9511 . . . . .3.49

1.8m AC Power Cord with Fig. 8 female plug. 278-9512 . . . . .3.49

(24) AC Power Cord. 3-core. 278-9001 . . . . .metre/99c

(25) 1.97m Polarized, Fused DC Cable. Quick-disconnect plug, inline holder for a 32 x 6mm fuse (not incl.). 270-025 . . . . .4.99

## Solid Bus Wire

15 metres. Pretinned 24-gauge bare copper wire on a plastic spool. Ideal for projects on perforated boards. 278-1341 . . . . .2.99



## Magnet Wire

Ideal for winding coils. Includes 12.2m of 22-gauge, 22.9m of 26-gauge, 61m of 30-gauge. 278-1345 . . . . .9.95

## 3-Spool Set

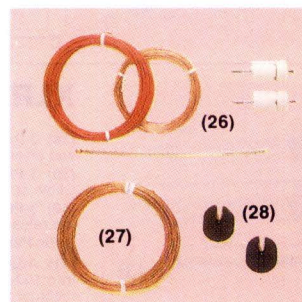


## SW Antenna, Accessories

(26) (28) Complete Shortwave Antenna Kit. Everything you need for an outdoor antenna. Package includes 23m of copper antenna wire, 15m of lead-in wire, window feed-through, insulators and complete instructions. 278-758 . . . . .22.95

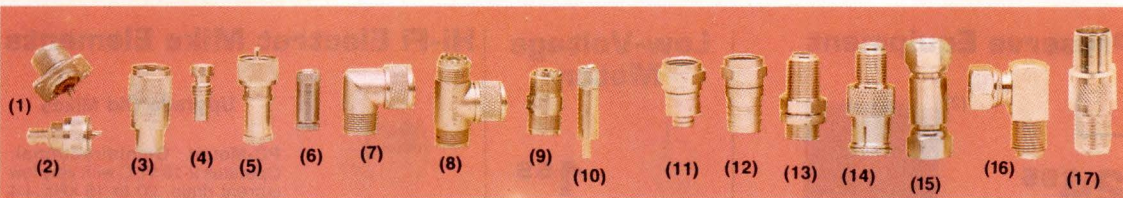
(27) Heavy-Duty Antenna Wire. 20m of high-strength seven-strand, 22-gauge bare copper wire. 278-1329 . . . . .9.95

(28) Insulators. Strong, low-loss material. For antenna center and end insulators or guy wire installation. 270-1518 . . . . .Pkg. of 2/2.29





# COAX, RF/TV CONNECTORS AND ADAPTERS



## RF Connectors and Adapters

- (1) SO-239 Chassis Mount Socket. UHF-type, plated finish. 278-201 ..... 1.79
- (2) Solderless PL-259 Plug. For RG58/U cable. 278-196 ..... Pkg. of 2/4.79
- (3) PL-259 Plug. 278-205 ..... Pkg. of 2/4.49
- (4) UG176/U Reducer. For RG59/U cable. 278-204 ..... Pkg. of 2/1.59
- UG175/U Reducer. For RG58/U cable. 278-206 ..... Pkg. of 2/1.69
- (5) NEW! Solderless PL-259 Connector for RG-59/62 and Mini-8 Coax. Twists onto cable. 278-191 ..... 3.29
- (6) Inline Splicer for RG58/U Cable. Join or extend cable. No special tools needed. Positive contact maintains impedance. 278-202 ..... 2.69
- Inline Splicer for RG59/U. 278-203 ..... 2.99
- (7) M-359 Right-Angle Adapter. SO-239 socket to PL-259 plug. 278-199 ..... 3.99
- (8) M-358 "T" Adapter. Two SO-239 sockets to one PL-259 plug. 278-198 ..... 4.69
- (9) PL-258 Coupler. Joins two PL-259 plugs. 278-1369 ..... 2.99
- (10) Solderless RCA-Type Plug. Ideal for video use. For RG59/U and RG62/U coaxial cables. 278-189 ..... 4.79

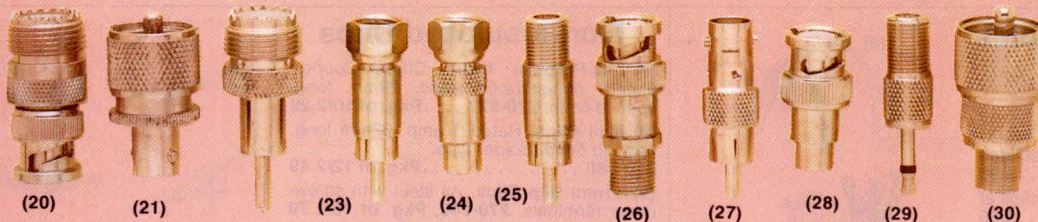
## 75-Ohm TV/FM Antenna Connectors

- (11) Type F-59. For RG59/U cable used in TV antenna systems. 278-211 ..... Pkg. of 2/2.49
- Type F-56. For RG6/U and "Aluminax"-type coaxial cable. 278-214 ..... Pkg. of 2/2.49
- (12) Type CF-59. For RG59/U cable. Long 13mm crimp ring for extra holding power. 278-222 ..... Pkg. of 2.29
- Type CF-56. Above for RG6/U and "Aluminax"-type coaxial cables. 278-223 ..... Pkg. of 2/2.29
- (13) F-81 Coupler. Couples two F-59 connectors. 278-213 ..... 1.79
- (14) Female "F" Screw-On to Male "F" Push-On. 278-218, 1.99
- (15) "F" Male to Male Adapter. 278-219 ..... 2.29
- (16) "F" Female to Male Right-Angle Adapter. 278-221 ..... 2.99

## 75-Ohm PAL Connectors

- (17) Coax Adapter. "F" connector to Male PAL. 278-9260 ..... 2.69
- Coax Adapter. "F" connector to female PAL. 278-9261 ..... 2.69
- Phono Jack to PAL Socket. 278-9606 ..... 4.99
- Phono Jack to PAL Plug. 278-9605 ..... 3.99
- PAL Chassis Socket. 278-9604 ..... 2.99
- PAL Chassis Plug. 278-9603 ..... 2.99

## Wide Selection of Convenient Video and RF Adapters



- (20) UG-255/U Adapter. BNC male to SO-239. 278-120 ..... 4.99
- (21) UG-273/U Adapter. BNC female to PL-259. 278-121, 4.99
- (22) Coax Plug Adapter. SO-239 socket to Motorola or RCA-type plug. Fits scanner antenna jacks. 278-208 ..... 3.49
- (23) Male "F" to Phono Plug. 278-253 ..... 2.49
- (24) RCA-Type Phono Jack to Male "F" Connector. 278-255 ..... 2.29
- (25) Female "F" to RCA-Type Phono Plug. 278-252 ..... 2.99
- (26) Female "F" to BNC Male. 278-251 ..... 6.95
- (27) BNC Female to RCA-Type Phono Plug. 278-250 ..... 4.59
- (28) RCA-Type Phono Jack to Male BNC. 278-254 ..... 4.99
- (29) Female "F" to 1/8" Mini Plug. 278-257 ..... 3.29
- (30) Female "F" Connector to PL-259 Plug. 278-258 ..... 4.49

## Multi-Purpose, High-Grade Coaxial Cable



Low As **79¢** Per Metre

Ideal for amateur radio, CB, TV and FM use. Low-loss polyethylene dielectric with tough outer jacket.

- RG8/U — Black 52-Ohm Base Station Cable. Attenuation 3.1 dB/100 ft. O.D. 10.3mm. Centre conductor 13-gauge 7 x 21 copper. Braided copper shield. 278-1325 ..... metre/2.69
- RG59/U — Black 75-Ohm Coax Cable. Attenuation 4.9 dB/100 ft. O.D. 6.05mm. Solid copper conductor 0.65mm. Braided copper shield. 278-9513 ..... metre/79¢
- RG59/U — Black Cellular Polyethylene Airtspaced. 75-Ohm Coax Cable. Attenuation 3.8 dB/100 ft. O.D. 6.35mm. 20-gauge copper conductor. Braided copper shield. 278-1327 ..... metre/99¢
- RG58/CU — Black 52-Ohm Coax Cable. Attenuation 3.6 dB/100 ft. O.D. 5.0mm. Conductor 1 x 12/0.19mm tinned copper. Braided shield-tinned copper. 278-9526 ..... metre/79¢
- RG213 — MIL-C-17D. 50-Ohm UHF Coaxial Cable. Attenuation 1.9 dB/100 ft. O.D. 10mm conductor 13-gauge x 21 copper. Braided shield. Military specification. 278-9213 ..... metre/2.99

## Coax Cable Stripper 21<sup>95</sup>

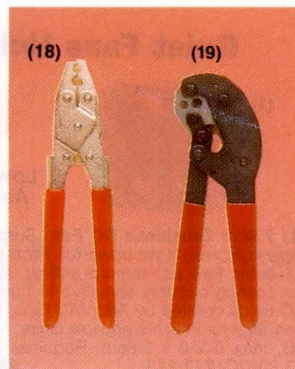


Adjustable Blades. Perfect strips with RG6, RG59, RG58, RG8B and RG62 cables, and other cables from 5 to 8mm diameter. 278-240 ..... 21.95

## Communication Coax Assemblies



- (36) 7.31m. RG58/U. PL-259 at each end. 52-ohm. 278-9700 ..... 17.95
- 14.63 metres. 278-9710 ..... 27.95
- (37) 0.61 metres. RG58/U. PL-259 at each end. 50-ohm. 278-9680 ..... 8.95
- (38) 3.66 metres. RG58/U. PL-259 one end, stripped/tinned the other. 278-9660 ..... 9.95



## Crimping Tools

Low As **8<sup>95</sup>** Each

- (18) Heavy-Duty Hex Crimp Tool. For "F" connectors. 278-242, 8.95
- (19) Professional Crimp Tool. Our best! Use with #278-222/223 connectors. 278-243 ..... 18.95

## BNC Connectors

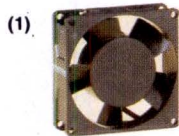


- (31) Female BNC to PAL Socket. 278-9608 ..... 5.95
- Female BNC to PAL Plug. 278-9607 ..... 5.95
- (32) Type 1094 Female BNC. Mounts in single 5/16" hole. 278-105 ..... 3.49
- (33) Type UG-88 Male BNC. For RG58/U cable. Solderless. 278-103 ..... 5.95
- For RG59/U and RG62/U. 278-104, 5.95
- (34) UG-914/U BNC Female to Female Adapter. 278-115 ..... 4.59
- (35) Screw-on BNC Connectors. Suit RG 58. 278-9801 ..... 5.95
- Suit RG 59. 278-9802 ..... 5.95



# VALUES IN FANS, TRANSFORMERS & TEST CLIPS

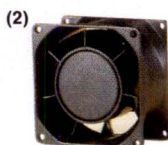
## Quiet Fans Help Preserve Equipment



NEW FOR 87

Low As

24<sup>95</sup>



(1) **7.6cm Brushless DC Fan.** Surprisingly light weight yet powerful. Produces 27 cubic feet per minute airflow. Ideal for cooling circuitry sensitive to hum or AC fields created by 240 VAC fans. Ball bearings for long life and low noise, -34 dB, max 8 x 8 x 3.8cm. Requires 7 to 13.8 VDC. 273-243 .....28.95

(2) **240V AC Fan.** Very efficient. Just right for many microcomputers. Provides 32 CFM with only 38 dB sound pressure. 28cm leads. 11 watts. 8 x 8 x 3.8cm. 273-9542 .....24.95

## Low-Voltage Motor



1<sup>59</sup>

**High Torque.** 8300 RPM maximum, operates from 1.5 to 3 VDC. Approx. 3.8cm long (including shaft) by 2.4cm diameter. 273-223 .....1.59

## Hi-Fi Electret Mike Elements

Upgrade Old Mikes



**PC-Mount Omnidirectional.** Operates 2-10 VDC with very low current drain. 20 to 15 kHz +4 dB. 6.6mm high. 270-090 .....2.09

Easy to Install

**Omnidirectional.** Clean 30 to 15,000 Hz response. Operates 4-10 VDC. 11 x 10mm-dia. With 15cm leads. 270-092 .....5.49

## Power Transformers

Seven popular values for new equipment or replacement use. The miniature type may be PC board mounted. The standard have steel frames with lugs for chassis mounting. All primaries are for 240 VAC, 50 Hz.

Type	Volts	Current	Cat. No.	Each
P.C. Mini	12.0 CT	120 mA	273-7017	4.99
Miniature	6.3	450 mA	273-7011	7.95
Miniature	12 CT	450 mA	273-7012	7.95
Miniature	24 CT	450 mA	273-7013	7.95
Standard	6.3	1.2 A	273-7014	8.95
Standard	12.6 CT	1.2 A	273-7015	9.95
Standard	25.2 CT	1.2 A	273-7016	14.95

CT = Centre Tapped

## Audio Transformer, Inductors



(3) **Audio Output.** 1000-ohm center-tapped primary. 8-ohm secondary. 19 x 16 x 16mm. 273-1380 ....1.99

(4) **Inductor Assortment.** What a bargain! This 30-piece assortment includes RF, IF and video peaking coils, various small chokes and transformers. 273-1601 ....6.95

## Color-Coded Jumper Cables

Provide Secure Connections For Easier Testing

(5) **Set of 10 Test Cables.** 36cm long with insulated mini alligator clips on each end. 278-1156 .....5.95

**Set of 4 Test Cables.** 76cm long. Insulated clips at both ends. 278-001 .....5.95

(6) **8-Pack of 61cm Cables.** Four different colors, clips at each end. 278-1157 .....6.95



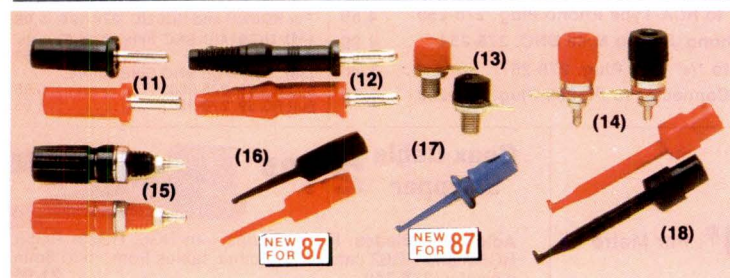
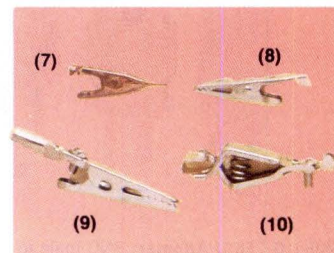
## Non-Insulated Clips

(7) **All-Purpose Micro Clips.** Copper-plated, non-serrated ends. 29mm long, open to 6mm. 270-373 ....Pkg. of 10/2.29

(8) **Mini Clips.** Rated 1 amp. 32mm long, open to 5mm. Solder type. 270-380 .....Pkg. of 12/2.49

(9) **51mm Slip Clips.** All steel with screw-driver terminals. 270-346, Pkg. of 10/3.79

(10) **Claw Clips.** Rated 5 amps. 41mm long, open to 8mm. Screwdriver terminals. 270-345 .....Pkg. of 8/2.99



## Test Clips, Banana Plugs, Binding Posts

(11) **Solderless Banana Plugs.** Insulated, fit standard banana jacks. Knurled collar. 51mm long. One red, one black. ....Set of 2/2.99

(12) **Flexible Banana Plugs.** As above with flexible insulation, strain relief. Solder type. One red, one black. 274-730 ....Set of 2/2.49

(13) **Banana Jacks.** Insulated. Require 1/4" mounting holes. With fiber washers, solder lugs. One red, one black. 274-725 ....Set of 2/1.59

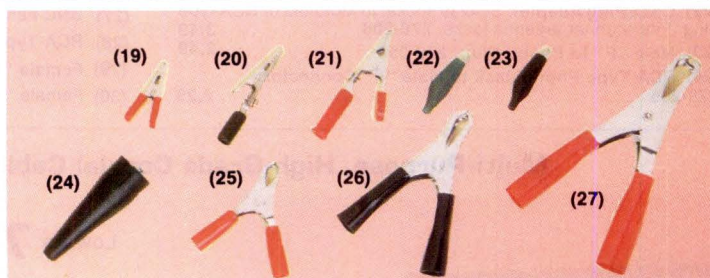
(14) **Insulated Binding Posts.** Versatile—they accept spade lugs, phone tips, banana plugs or wire. 2 red, 2 black. 274-661 ....Set of 4/3.99

(15) **Nylon Binding Posts.** Insulated. For 3/16" mtg. holes. Accept up to 14-gauge wire. One red, one black. 274-662 ....Set of 2/3.19

(16) **NEW! Micro Flat Test Clips.** Super-thin design and 90° hook bend make these perfect for IC testing. Spring action. 43mm long. One red, one black. 270-336 .....Set of 2/2.09

(17) **NEW! Rainbow Pack of Micro Test Clips.** Use when you need more than red and black for testing and temporary interconnections. 38mm long. 270-355 .....Set of 6/4.99

(18) **Mini Test Clips.** As above but 54mm long. One red, one black. 270-372 .....Set of 2/2.99



## Insulated Clips for Small and Big Jobs

(19) **Mini Alligator Clips.** 35mm long. 5 Red, 5 black. 270-374 .....Set of 10/2.49

(20) **51mm Clips.** Open to 8mm. Screwdriver terminals. 5 Red, 5 black. 270-375 .....Set of 10/3.99

(21) **51mm Clips.** Open to 11mm. Screwdriver terminals. 5 Red, 5 black. 270-347 .....Set of 10/3.19

(22) **Mini Clips.** 32mm jaws open to 5mm. Solder type with crimp fins. Includes 3 black, 3 red, 2 green, 2 yellow. 270-378 .....Set of 10/2.69

(23) **35mm Mini Clips.** Open to 6mm. Screwdriver terminals. 6 Black, 6 red. 270-1545 .....Set of 12/3.99

(24) **NEW LOW PRICE! Heavy-Duty Clips.** 10 amps. 67mm long, open to 13mm. Screwdriver terminals. 2 Black, 2 red. Was \$2.99 in '86 catalogue. 270-349 .....Set of 4/2.79

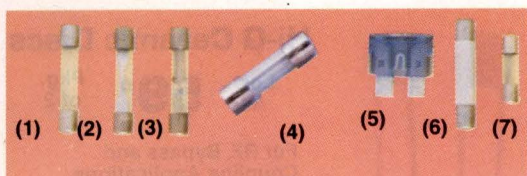
(25) **"Regular" Car Battery Clips.** 10 amps 57mm long, open to 22mm. One red, one black. Solder or crimp. 270-344, Set of 2/2.39

(26) **"Jumbo" Clips.** Rated 30 amps. Ideal for hookups to car battery posts 86mm long, open to 29mm. Solder or crimp. One red, one black. 270-343 .....Set of 2/3.49

(27) **NEW! 50-Amp Car Battery Clips.** For heavy-duty jobs, repairing jumper cables or battery chargers 11.4cm long, open to 29mm. Solder or crimp. 270-342 .....Set of 2/3.69



# PUT SAFETY FIRST! FUSES AND HOLDERS



(1) Fast-Acting, 32 x 6mm 3AG

Amps	Cat. No.	Pkg. of 2	Amps	Cat. No.	Pkg. of 2
0.5	270-1271	.99	5	270-1278	.99
0.75	270-1272	.99	7.5	270-9706	.99
1	270-1273	.99	10	270-1279	.99
1.5	270-1274	.99	15	270-1280	.99
2	270-1275	.99	8	270-9707	.99
3	270-1276	.99	10	270-9708	.99
			15	270-9709	.99

(2) SFE-Type Auto Fuses, 32 x 6mm diameter, 20 amps.  
270-1268 ..... Pkg. of 3/1.69

(3) Slow-Blow, 32 x 6mm 3AG

Amps	Cat. No.	Pkg. of 2	Amps	Cat. No.	Pkg. of 2
0.5	270-1282	1.99	3	270-1286	1.99
1	270-1283	1.99	5	270-1287	1.99
2	270-1285	1.99	—	—	—

(4) Slow Blow, 5 x 20mm M205

Amps	Cat. No.	Pkg. of 2	Amps	Cat. No.	Pkg. of 2
0.5	270-9702	1.99	2	270-9715	1.99
1	270-9703	1.99	3	270-9716	1.99
1.5	270-9714	1.99	4	270-9717	1.99

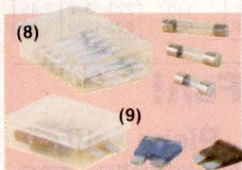
(5) 20-Amp "Blade" Auto Fuse, 270-1208 ..... Pkg. of 2/1.99

(6) NEW! Ceramic Fuses. Used in many appliances.

10 Amps. 270-1256. 15 Amps. 270-1257 ..... 2/2.99

(7) Fast-Acting International Fuses, 5 x 20 mm M205

Amps	Cat. No.	Pkg. of 3	Amps	Cat. No.	Pkg. of 3
0.1	270-9711	.99	1.6	270-9713	.99
0.315	270-1249	.99	2	270-1244	.99
0.5	270-1241	.99	3	270-1246	.99
0.8	270-9712	.99	4	270-1247	.99
1	270-1250	.99	5	270-1248	.99



## Vehicle Fuse Kits

(8) Glass. Includes: Two SFE-20. One each: AGC 3, 10, 15, 25 and 30; SFE 7 1/2, 9, 14, 20.

270-1262 ..... Set of 11/4.49

(9) Plastic "Blade". Box with one each: 5, 7.5, 10, 15, 20 amps. Color-coded. 32 volts.

270-1201 ..... Set of 5/3.99

## AC Circuit Breaker

Easy to Install

Rated 2 amps, 120 VAC, within 120 seconds at 1.75 amps, 60 seconds at 2 amps. 30 x 13 x 37mm.

270-9310 ..... 3.29

## Replacement Thermal Fuses

169

Used as a safety protector in many AC-operated coffee-makers and other heating-type appliances. Rated 240VAC, 10 amps maximum.

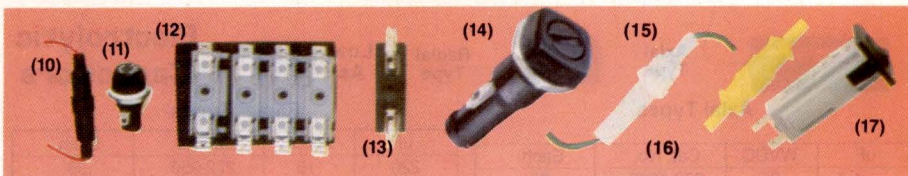
Breaks Circuit at	Cat. No.	Price
139°C	270-1320	1.69
226°C	270-1321	1.69

## Surge Absorber

469

NEW! Gas Discharge Tube. Fast-response transient protection. For use when repetitive surges are expected. For 240VAC circuits.

270-9811 ..... 4.69



## Fuse Holders

(10) Inline Holder. For 5 x 20mm fuses. 43cm long with leads. 270-1238 ..... 1.69

(11) Panel-Mount Holder. For 5 x 20mm fuses. Requires 1/2" mounting hole. 270-362 ..... 1.69

Figs. 12-16 are for 32 x 6mm Fuses

(12) Four-Position Fuse Block. Sections can be separated. Ideal for vehicle use. Accepts quick-disconnect (auto-type) connectors, or can be soldered. 20 amps per circuit. 270-742 ..... 5.29

(13) Clip-In Chassis-Mount Holder. Ideal for applications within enclosures. Solder terminals. 270-739, Pkg. of 2/1.49

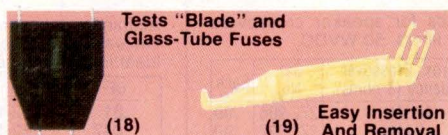
(14) 240V Panel Mount Fuse Holder. Suit 3AG (32 x 6mm) fuses 6.35 x 31.75mm shielded type. Meets AS3100 specifications. (CS2929) 270-9602 ..... 3.99

(15) Inline. Spring assures positive contact pressure. 270-1281 ..... 1.99

(16) NEW! Solderless. Replaces any damaged inline fuse holder using 12 to 18-gauge wire leads. Crimp connections. Holds 6mm diameter fuses of various lengths. Rated 20 amps. 270-1211 ..... 2.19

(17) 240V 5 Amp Thermal Circuit Breaker. Pre-wired snap in panel mount. CS2190N 13.7 x 39mm. 270-9601 ..... 7.95

## Vehicle Fuse Tester and Tool

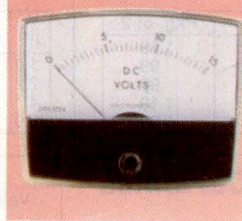


(18) Vehicle Fuse Tester. Easy to use! Tests automotive fuses without removing them from holders. Indicator lamp lights if fuse is blown. For 12 VDC only. 22-1636 ..... 3.49

(19) Universal Fuse Tool. Non-conductive tool lets you remove fuses from holders and install them without damage. Works great with plastic blade and glass fuses. A must for every car! 270-1199 ..... 2.59

## Precision Panel DC Voltmeter

0-15 Volts DC



Ideal for monitoring your vehicle's electrical system or voltage of a power supply. Jeweled movement. Accuracy,  $\pm 5\%$  full scale. Size, 70 x 59 x 32mm overall. Mounts in 48mm round hole.

270-1754 ..... 14.95

## Tandy Still Stocks Valves — Whatever the Job!

Do your own trouble shooting and really save money. If the tube on your TV is playing-up it may be a burnt out valve. All company stores stock new replacement valves, with some stores having facilities to test your old ones. The valve you need could be sitting on our shelf. Come in and have a look, we keep a wide selection, so you may find the one you want, when you want it. Tandy can be your one-stop VALVE SHOP!



Valve Type	Cat. No.	Each
PL508	24-9801	12.95
PL509/519	24-9802	39.95
PY500A	24-9803	14.95
PCF802	24-9804	6.95
PCF80	24-9805	6.95
PCF82	24-9806	5.95
PCL82	24-9807	6.95

Valve Type	Cat. No.	Each
1S2	24-9004	5.95
1X2/B	24-9008	24.95
6AL3	24-9042	6.95
6AU4GT	24-9052	19.95
6BL8	24-9070	7.95
6BM8	24-9071	7.95
6BQ5	24-9075	5.95
6CA7	24-9086	21.95
6CM5	24-9095	13.95
6DX8	24-9109	6.95
6JE7	24-9114	6.95
6GV8	24-9131	6.95
6GW8	24-9132	6.95
6U9	24-9168	9.95
6X9	24-9173	9.95
6Y9	24-9174	12.95
12AU7A	24-9195	5.95
12AX7	24-9197	7.95

## Battery Holders for Project and Replacement Use

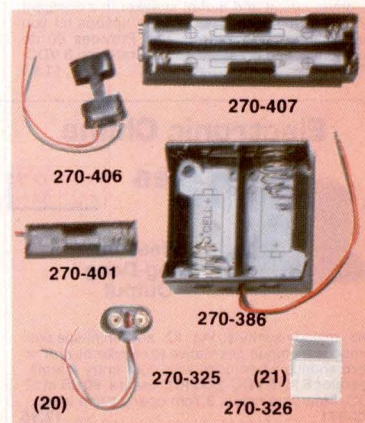
Low As 79¢

Series wiring. Have color-coded output leads except†, which have snap connector that mates with #270-325, below.

Holds	Cat. No.	Each	Holds	Cat. No.	Each
2 "N"	270-406	.79	4 "C"	270-390	1.99
2 "AAA"	270-398	.89	2 "D"	270-386	2.29
2 "AA"	270-382	1.49	4 "D"	270-396	2.29
4 "AA"	270-383	1.59	4 "D"	270-389	2.39
4 "AA"	270-391	1.59	1 "N"	270-405	.89
8 "AA"	270-387	1.99	1 "AA"	270-401	.79
8 "A"	270-407	1.79	1 "C"	270-402	.89
2 "C"	270-385	1.79	1 "D"	270-403	.99

(20) 9-Volt Battery Snaps. For projects, replacement or use with battery holders, above. 270-325 ..... Pkg. of 5/1.99

(21) 9-Volt Battery Holders. Tame "wild" rectangular batteries! Mount with screw or glue. 270-326 ..... Pkg. of 2/99¢





# CHECK OUR WIDE SELECTION OF CAPACITORS



Axial Type

Axial Types



Radial Type

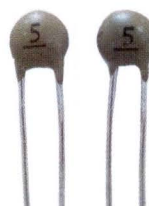
Radial Types

uF	WVDC	Cat. No.	Each
4.7	35	272-1012	.69
10	35	272-1013	.79
100	35	272-1016	.89
1000	35	272-1019	1.89
2200	35	272-1020	2.99
3300	35	272-1021	2.99
4700	35	272-1022	4.59
1000	50	272-1047	2.29
2200	50	272-1048	3.99

uF	WVDC	Cat. No.	Each
220	16	272-956	.99
470	16	272-957	1.09
1000	16	272-958	1.19
4.7	35	272-1024	.69
10	35	272-1025	.79
47	35	272-1027	.89
100	35	272-1028	.99
220	35	272-1029	.99
470	35	272-1030	1.29
1000	35	272-1032	1.99

## Electrolytic Capacitors

Low As **69¢**



## Hi-Q Ceramic Discs

Low As **59¢** Pkg. of 2

For RF, Bypass and Coupling Applications

Moistureproof coating, Hi-Q design for low loss in RF circuits.

pF	WVDC	Cat. No.	2-Pack
4.7	50	272-120	.59
47	50	272-121	.59
100	50	272-123	.59
220	50	272-124	.69
470	50	272-125	.69

uF	WVDC	Cat. No.	2-Pack
.001	500	272-126	.69
.0047	500	272-130	.69
.01	500	272-131	.79
.047	50	272-134	.79
.1	50	272-135	.79

## For Printed Circuits

Low As **99¢** Pkg. of 2 50 WVDC

Mini size. Long leads permit point-to-point wiring, too.

uF	Cat. No.	Pkg. of 2
.01	272-1065	1.19
.022	272-1066	.99
.047	272-1068	.99
.1	272-1069	1.19
.22	272-1070	1.39

## Non-Polarized

Low As **99¢**



Electrolytics for speaker crossovers and audio filters. 50 WVDC.

uF	Approx. Crossover Frequency (8 ohms)	Cat. No.	Each
1.0	10 kHz	272-996	.99
2.2	8 kHz	272-997	.99
4.7	4 kHz	272-998	1.09
10.0	2 kHz	272-999	1.19

## Metal Film

Low As **79¢**

■ 250 WVDC  
■ Epoxy Dipped



Aluminum deposited polyester film for low leakage, high temperature stability. Ideal for PC and point-to-point use.

uF	Cat. No.	Each
.01	272-1051	.79
.047	272-1052	.79
.1	272-1053	.99
1.0	272-1055	1.59

## Tantalums

Low As **99¢**



Maximum capacity in an extremely small package. Standard IC pin spacing. 20% tolerance.

uF	WVDC	Cat. No.	Each
0.1	35	272-1432	.99
0.47	35	272-1433	.99
1.0	35	272-1434	.99
2.2	35	272-1435	1.09
10	16	272-1436	1.29
22	16	272-1437	1.39

## Monolithic Ceramics



Epoxy dipped for moisture resistance. NPO types are temperature stable,  $\pm 10\%$ . Z5U ( $\pm 20\%$ ) types for general-purpose bypass, coupling and blocking.

Value	Temp. Coefficient	Cat. No.	Each
10 pF	NPO	272-151	.99
100 pF	NPO	272-152	.99
470 pF	NPO	272-153	.99
1000 pF	Z5U	272-154	.99
4700 pF	Z5U	272-155	.99
.01 uF	Z5U	272-156	.99
.047 uF	Z5U	272-157	.99
.1 uF	Z5U	272-158	1.09

## TV Colorburst Crystal

**349**

Wire Leads



3.579545 MHz. Precision frequency standard in HC18/W package. 272-1310 ..... 3.49

## Trimmers

Low As **149**



For low-level RF/IF peaking. Compatible with PC components. Adjustable.

Value	Max. VDC	Cat. No.	2-Pk
3 to 10 pF	500	272-1338	1.49
5 to 60 pF	110	272-1340	2.49
15 to 150 pF	500	272-1339	1.99

# Sound Off! Buzzers for Alerters, Alarms, Timers and Fun!

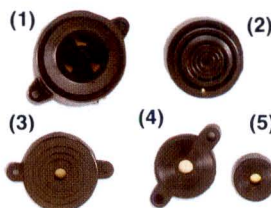
## Tri-Sound Siren



**1195** NEW FOR 87

You've never heard a buzzer like this! Contains an IC, driver circuit and 8-ohm speaker in a compact 3.2 x 3cm moulded case. Wiring options let you create three distinctive sounds. Provides 80 db minimum sound pressure and operates on 3 VDC. 273-072 ..... 11.95

## Piezo Buzzers



- (1) **Two-Tone.** 100 dB minimum at 2500 Hz. Has attenuator vanes. Operates 8 to 16 VDC. Requires 130 mA at 12 VDC. 273-070 ..... 16.95
- (2) **Pulsing or Continuous.** Screwdriver terminals. Approx. 2800 Hz pulsed at 1.2 Hz. Output: 90 dB at 12 VDC, only 10 mA. Operates 4 to 28 VDC. Easily panel mounted. Great as a pre-alarm buzzer for security systems. 273-068 ..... 12.95
- (3) **Pulsing.** Approx. 2800 Hz, 95 dB. 3 to 28 VDC. 12 mA at 12 volts. 273-066 ..... 6.95
- (4) **With Leads.** Piercing 3.6 kHz signal. 4 to 28 VDC. Only 5 mA at 12 VDC. 273-060 ..... 4.99
- (5) **PC-Mount.** Loud, yet consumes only 12 mA at 12 VDC. Approx. 3800 Hz. 3-20 VDC. 273-065 ..... 4.79



- (6) **NEW! Piezo Transducer.** Two-wire type is ideal for use with digital circuits. 1500 to 3000 Hz. Up to 90 dB output at 2.5 kHz. Requires external driver. 3.5cm mtg. centres. 273-073 ..... 1.99
- (7) **Fixed-Frequency.** Three-wire type. Up to 90 dB at 6.5 kHz. Requires external driver circuit. 2.9cm mtg. centres. 273-064 ..... 2.89

## Electronic Chime



**1295** NEW FOR 87

Pleasant "Ding-Dong" Output

This melody-synthesizing IC and mini-speaker combo is a unique alternative to regular buzzer or piezo sounds when used with door entry alarms. Operates 6 to 18 VDC. Sound pressure: 80 dB at 12 VDC. Mounting holes: 3.7cm apart, 13cm leads. 273-071 ..... 12.95

## Electronic Buzzers

Low As **299** Extra Loud



(9) **Mini DC Buzzers.** Small enough to hide, loud enough to demand attention! 2.7cm mounting centers. With leads.

DC Voltage	Cat. No.	Each
1 1/2 to 3	273-053	2.99
6	273-054	2.99
12	273-055	2.99

## Electromechanical Buzzers



**339**

Super Loud!

DC buzzer with low current drain—ideal for battery circuits. 5.1cm diameter by 4.4cm. Metal case with leads. 12 VDC. 273-051 ..... 3.39  
6 to 9 VDC. 273-052 ..... 3.39  
1.5 to 3 VDC. 273-004 ..... 3.39



# RESISTORS AND CONTROLS AT LOW PRICES

## Knobs for 1/4" Shafts



Low As  
**1.69** Pkg.  
Of 2

A wide variety of rugged yet stylish Archer® knobs for new equipment or replacement use. All have brass bushings and set-screws for positive locking. See page 55 for car stereo replacement knobs.

(1) **Communications.** 38mm dia. by 17mm. Knurled grip, square pointer notch. 274-402 ..... Pkg. of 2/1.99

(2) **NEW! Communications.** Red insert for a bright new twist. 27mm dia. by 33mm. Indexed. 274-432 ..... Pkg. of 2/3.59

(3) **NEW! Red Insert.** Adds a contemporary look to any project. 25mm dia. by 16mm. 274-433 ..... Pkg. of 2/2.59

(4) **Blue Insert.** 13mm dia. by 14mm deep. Color-matched to our #270-220-series of blue enclosures. 274-403 ..... Pkg. of 2/1.69

(5) **Contemporary.** 25mm dia. by 16mm. Metal over plastic, handsome engraved finish. Great for tuning and volume controls. 274-424 ..... Pkg. of 2/3.99

(6) **Hexagon.** 35mm by 16mm. 274-407 ..... Pkg. of 2/2.79

(7) **Hexagon With Aluminium Insert.** 19mm x 11mm. Indexed. 274-415 ..... Pkg. of 4/3.29  
25mmx14mm. Indexed. 274-416 Pkg. of 4/3.89

## 1/2-Watt Resistors 29¢ Pkg. Of 2

10% Tolerance

Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.
10	271-001	220	271-015	1.2k	271-024	22k	271-038
15	271-003	270	271-016	1.5k	271-025	47k	271-042
22	271-005			2.2k	271-027		
33	271-007	330	271-017	3.3k	271-028	100k	271-045
47	271-009	390	271-018	4.7k	271-030	150k	271-047
68	271-010	470	271-019			220k	271-049
82	271-011	560	271-020	10k	271-034	470k	271-053
100	271-012	680	271-021	15k	271-036	1 meg	271-059
150	271-013	1k	271-023				

## 1/4-Watt Resistors 39¢ Pkg. Of 5

5% Tolerance

Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.
10	271-1301	330	271-1315	4.7k	271-1330	47k	271-1342
100	271-1311	470	271-1317	10k	271-1335	100k	271-1347
150	271-1312	1k	271-1321	22k	271-1339	220k	271-1350
220	271-1313	2.2k	271-1325	33k	271-1341	470k	271-1354
270	271-1314					1 meg	271-1356
						10 meg	271-1365

## Color Code Guide

Only  
**99¢**

Pocket-sized and really handy. Gives you fast, direct readout of resistor, capacitor and inductor values in ohms, pF and  $\mu$ H. 271-1210 ..... 99¢

## Ohm's Law Slide-Chart

**79¢**  
Pocket-Sized

Easy to use—quickly computes and answers Ohm's law problems. Flip-side has scales for parallel resistance calculations. 271-1211 ..... 79¢

## 15-Turn Pots

**2.79** Each

■ 10% Tolerance

3/4-Watt ■ PCB Mount

500 Ohms. 271-341 ..... 2.79  
1k Ohms. 271-342 ..... 2.79  
10k Ohms. 271-343 ..... 2.79  
20k Ohms. 271-340 ..... 2.79

## PC-Board Pots

**1.29** Each  
Thumb or screwdriver adjust. Rated 1/4 watt. 260° rotation.

Ohms	Cat. No.	Ohms	Cat. No.
500	271-226	50k	271-219
1k	271-227	100k	271-220
5k	271-217	1 meg	271-229
10k	271-218	—	—

## Metal-Oxide Resistors

**59¢**

Small size with a tight 5% tolerance. One watt.

Pkg. Of 2

Ohms	Cat. No.
10	271-151
100	271-152
1000	271-153
4.7k	271-154
10k	271-155

## 8-Ohm Non-Inductive Resistors

**2.59**

**NEW!** 5% tolerance, rated 20 watts. Handy as an impedance-matched power-absorbing element in any audio installation—PA, car and home stereo. Several may be wired in series/parallel for jobs requiring different resistance values or more power handling. 271-120 ..... 2.59

## 100 Assorted Resistors

**1.99**

Up to 21 Values per Pack

**NEW!** Carbon and Metal Film Types. 1/4 and 1/8 watt. 10 ohms to 1 megohm. 5% tolerance. 271-9901 ..... 1.99

## Miniature PC Pots

**1.09** Each

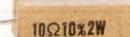


1/8-Watt

Ohms	Cat. No.
1k	271-333
10k	271-335
25k	271-336
100k	271-338

## Wirewound Power Resistors

Low As **99¢** Each  
10% Tolerance ■ Axial Leads



Watts	Ohms	Cat. No.	Price
2	10	271-080	2/1.09
5	0.47	271-130	Ea./ .99
10	1	271-131	2/1.99
10	10	271-132	2/1.99
10	50	271-133	2/1.99
10	100	271-135	2/1.99

## Resistor Kits

(9)



(8) **NEW!** 1/8-Watt Carbon Film. 5% tolerance. Set of 100 with 13 popular values from 10 ohms to one megohm. 271-311 ..... Set 3.79

(9) 1/4-Watt Precision Metal Film. 1% tolerance. 50-piece set with 12 popular values ranging from 10 ohms to one megohm. 271-309 ..... Set 4.59

(10) 1/4-Watt Carbon. 5% tolerance. 100-piece set with 13 popular values ranging from 10 ohms to one megohm. 271-308 ..... Set 4.99

(11) 1/4-Watt Carbon Film. 5% tolerance. 500-piece set with 54 popular values from 10 ohms to 10 meg. 271-312 ..... Set 14.95

(12) 1/2 Watt Carbon. 10% tolerance. 100-piece set with 21 popular values ranging from 100 ohms to one meg. 271-306 ..... Set 4.99

## Panel-Mount Controls

**NEW FOR 87**



(13) **NEW!** Stereo Balance Control. 1000 ohms. Precision replacement is also useful in projects requiring dual-tracking pots. 271-261 ..... 2.49

(14) 100k Stereo Control. Two ganged pots with precision "feel". 13mm-long, 1/4" diameter shaft. 40% loudness contour tap. Mounts in 3/8"-diameter hole. 271-1732 ..... 3.99

(15) Potentiometers. All have a 43mm-long, 1/4" dia. shaft and mount in a 5/16" hole.

### Audio Taper

Ohms	Cat. No.	Each
5k	271-1720	1.59
10k	271-1721	1.59
100k	271-1722	1.59
—	—	—

### Linear Taper

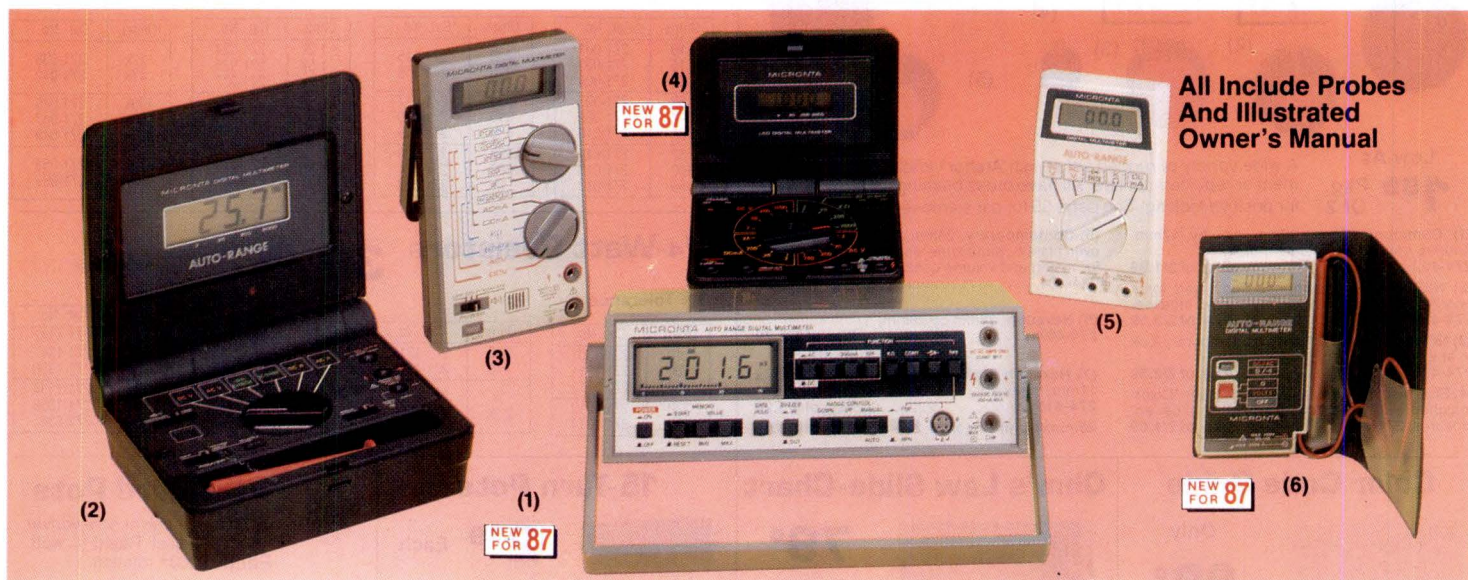
Ohms	Cat. No.	Each
5k	271-1714	1.59
10k	271-1715	1.59
50k	271-1716	1.59
100k	271-092	1.59
1 meg	271-211	1.59

(16) SPST Pot Switch. On/off switch mounts on rear of audio taper and linear taper potentiometers in charts above and many others. Rated 3 amps at 120 VAC. With instructions. 271-1740 ..... 1.09



# PRECISION DIGITAL MULTIMETERS BY MICRONTA®

High Accuracy at Low Prices ■ Easy-to-Read "No Guesswork" LCD Displays



All Include Probes  
And Illustrated  
Owner's Manual

(1) **NEW! Benchtop Digital Multimeter.** Convenient all-pushbutton operation plus accuracy and features that compare with meters costing several times more! Built-in 31-segment bargraph provides a simultaneous analog-type display that makes peaks and trends more apparent. Built-in transistor checker with front-panel pin socket gives you true  $h_{FE}$  (gain) measurements of small-signal types. Has separate diode-check mode for quick open/short/leakage tests of semiconductor junctions. Memory function stores minimum and maximum values of a changing input and displays them at the touch of a button. Data-hold mode freezes both display readings until you reset. High-contrast  $3\frac{2}{3}$ -digit LCD has indicators for all measuring units, all operating modes and low-battery alert. Full autoranging with manual up and down override. Full auto-polarity with negative indication on both displays. Handy buzzer continuity checker. Measures to 1000 volts DC, 750 volts AC (accurate from 45 Hz to 10 kHz). AC/DC current to 10 amps. Resistance to 30 megohms. Input impedance: 10 megohms on DCV/ACV ranges, more than 100 megohms on DC 300 mV range. Dual-detented carrying handle doubles as a stand. 6.8 x 20.3 x 12.1cm. Fused and overload protected. Requires 4 "C" batteries. **22-195 ..... 169.95**

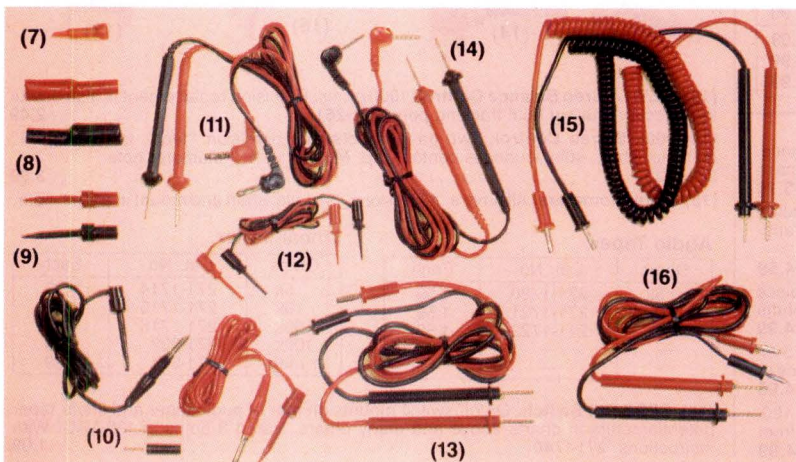
(2) **Fold-Up Autoranging Digital Multimeter.** You select the function, it selects the proper range. Features include automatic power-off when folded, audible "beep" continuity-test mode, range-hold switch to override autoranging, diode-check mode, ohms zero-adjust button, detented hinge for best viewing angle, probe storage compartment. Measures to 1000 volts DC, 500 volts AC. AC/DC current to 10 amps. Resistance to 2 megohms. 27.6 x 14.3 x 3.8cm, open. Fused and overload protected. Requires two "AA" batteries. **22-193 ..... 139.95**

(3) **21-Range Digital Multimeter.** Features "beep" continuity test, ohms zero-adjust button, diode-check mode. Measures to 1000 volts DC in 5 ranges, 500 volts AC in 4 ranges (accurate 45 Hz to 10 kHz). AC/DC current to 200 mA in 3 ranges, each. Resistance to 20 megohms in 6 ranges. 16.2 x 8.9 x 3.5cm. Fused and overload protected. Requires 2 "AA" batteries. **22-191 ..... 99.95**

(4) **NEW! Fold-Up 16-Range Digital Multimeter.** Features a high-contrast LCD display, convenient single-knob function selector and detented hinge for best viewing angle, automatic power-off when closed. Diode-check mode lets you quickly test semiconductor junctions for opens, shorts and leakage. Measures to 1000 volts DC in 4 ranges, 750 volts AC in 4 ranges, DC current to 2 amps in 4 ranges, resistance to 2 megohms in 4 ranges. Open: 20 x 12.1 x 3.2cm. Fused and overload protected. Requires 2 "AA" batteries. **22-187 ..... 89.95**

(5) **Autoranging Digital Multimeter.** Just select function and it does the rest. Diode-check mode for testing semiconductor junctions. Measures to 1000 volts DC, 500 volts AC. DC current to 200 mA. Resistance to 2 megohms. Fused and overload protected. Requires 2 "AA" batteries. **22-188 ..... 59.95**

(6) **NEW! Pocket Autoranging Digital Multimeter.** Meter and probes fit in a shirt-pocket with room to spare! Weighs only 80 gram yet offers full autoranging and auto-polarity operation, high-contrast LCD display with low-battery warning, audible continuity-check mode, pushbutton range selection. Measures to 400 volts AC/DC, with resistance to 2 megohms. With mini probes and hard-cover case. 10.8 x 5.7 x 1cm. With 2 Tandy 357-A "button" batteries. **22-170 ..... 49.95**



## Extra Test Leads & Clips

- (7) **IC Test Probe Adapter.** Fits over positive (+) probe to give you non-shorting access to each IC pin. **270-335 ..... 1.99**
- (8) **Insulated Alligator Clips.** Slip over probe tips. **270-354 ..... Pair/2.99**
- (9) **Mini Hook Test Clip Adapter.** For easy testing on crowded boards. **270-334 ..... Pair/3.99**
- (10) **Mini Clip Test Leads.** 51cm long. Mini clip to banana plug. **278-1160 ..... Pair/5.95**
- (11) **Right-Angle Banana Test Leads.** 91cm long. Probe at one end, 90° banana plug at other. **278-713 ..... Pair/3.49**
- (12) **Mini-Clip Leads.** 51cm long. Mini clip at each end. **278-016 ..... Pair/5.95**
- (13) **Pin-Tip Test Leads.** 91cm long. 10.8cm probe to pin-tip plug. **278-705 ..... Pair/3.19**
- (14) **Right-Angle Pin-Tip Test Leads.** 91cm long. 12cm probe at one end, 90° pin-tip plug at the other. **278-712 ..... Pair/2.69**
- (15) **Coiled Test Leads.** 1.83m long. Probe at one end, banana plug at the other. Coiled leads help avoid tangles. **278-750 ..... Pair/5.95**
- (16) **Banana-Plug Test Leads.** 91cm long. 11.4 cm probe to banana plug. **278-704 ..... Pair/4.99**

## Tester Case

**9<sup>95</sup>**

Protect  
Your  
Meter



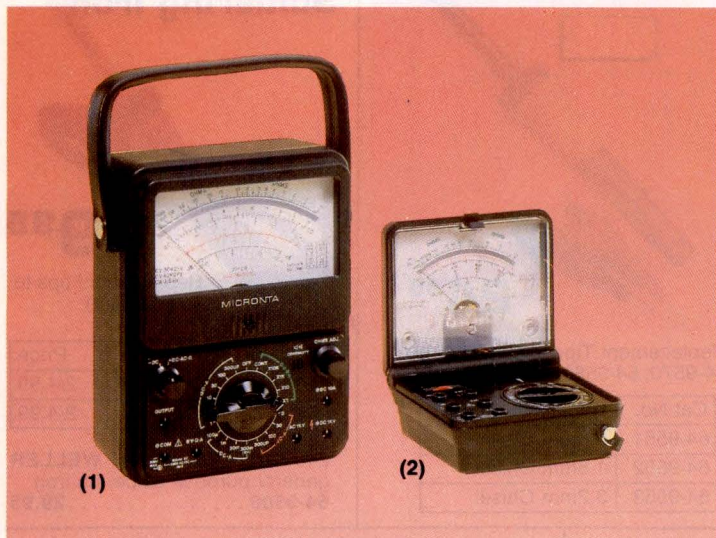
Meter not included

Handy carrying case holds meter and provides room for leads, manuals, fuses, extra batteries and probes. Inside measurement: 20.3 x 13.3 x 5.1cm. **22-153 ..... 9.95**



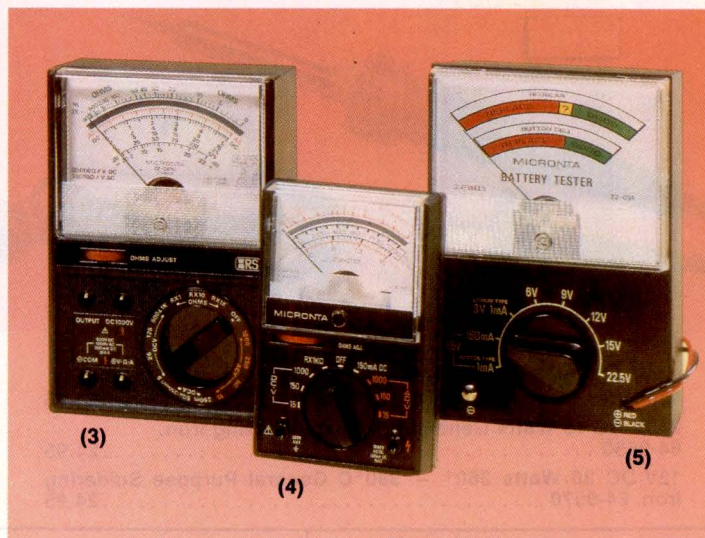
# OUR DEPENDABLE ANALOG-TYPE TESTERS

Easy to Use ■ Built to Last ■ Include Probes and Illustrated Owner's Manual



(1) **21-Range Multimeter.** 30,000 ohms per volt DC sensitivity. A professional-grade instrument at a very low price. Features a big 12.7cm color-coded scale, timesaving "beep" continuity function and polarity-reverse switch, easy access to battery/fuse compartment. Measures to 1000 volts DC in 7 ranges, 1000 volts AC in 5 ranges, DC to 10 amps in 5 ranges. Resistance in 4 ranges. dB: -20 to +62 in 5 ranges. Accuracy:  $\pm 3\%$  DC,  $\pm 4\%$  AC. 17 x 13.8 x 6.7cm. Requires one 9V and one "C" battery. **22-210** ..... **89.95**

(2) **25-Range Fold-Up Multimeter.** 20,000 ohms per volt DC sensitivity. Conveniently folds for travelling. Has fuse and surge-absorber protection, 10.2cm three-color mirrored meter with automatic shunt protection when shut. Detented hinges with hold positions at 90, 120, 150 and 180° lets you select the best viewing angle on bench or in the field. Measures to 1200 volts DC in 7 ranges, 1200 volts AC in 5 ranges. DC current to 300 mA in 4 ranges. Resistance to 2 megohms (24 ohms centre scale). dB: -20 to +63 in 5 ranges. Accuracy:  $\pm 3\%$  DC,  $\pm 4\%$  AC. Open: 18.4 x 11 x 3.2cm. Requires "AA" battery. **22-211** ..... **54.95**



(3) **18-Range Multimeter.** 20,000 ohms per volt DC sensitivity. Features 7.6cm meter, color-coded and mirrored scale. Measures to 1000 volts DC in 5 ranges, 1000 volts AC in 4 ranges. DC to 250 mA in 2 ranges. Resistance to 2 megohms in 3 ranges (24 ohms centre scale). dB: -20 to +62 in 4 ranges. Accuracy:  $\pm 3\%$  DC,  $\pm 4\%$  AC. 13 x 8.9 x 3.7cm. Requires "AA" battery. **22-201** ..... **29.95**

(4) **8-Range Pocket Multimeter.** 2000 ohms per volt DC sensitivity. Incredibly easy to use! Perfect beginner's VOM and a great second meter for the car or toolbox. Has 5.1cm meter, color-coded mirrored scale, "off" position to protect meter movement during transit. Measures to 1000 volts AC/DC in 6 ranges. DC current to 150 mA. Resistance to 100,000 ohms. 8.9 x 5.7 x 3.2cm. Requires "AA" battery. **22-212** ..... **19.95**

(5) **8-Range Battery Tester.** Accurately measures batteries under actual load conditions. Ranges: 1.5 volts (1 mA and 150 mA), 3, 6, 9, 12, 15, 22.5 volts. Tests almost any type of electronic, flashlight or button battery—including carbon-zinc, alkaline, mercury, silver-oxide, nickel-cadmium and lithium cells. *For battery tests only.* **22-031** ..... **21.95**

## Do-It-Yourself Auto Tune Up Equipment



(1) **Inductive Timing Light.** Brilliant xenon flash makes timing your vehicle easy even in the brightest conditions. Clamp-on inductive pickup for simple use on all ignition systems. Will also test centrifugal advance, vacuum advance and distributor cam wear. Operates from 12VDC and includes complete instructions. **22-9550** ..... **39.95**

(2) **Tach/Dwell/Points Tester.** For 4, 6 and 8 cylinder engines. This easy-to-use hand held analyser will monitor engine idle and RPM speed as well as check carburetor fuel/air mixture, air cleaner, dwell angle, points, distributor and spark plug condition. Tachometer: 0-1600 RPM (6 cylinder), 0-2400 RPM (4 cylinder), 4 cylinder reading/2 for 8 cylinder engine. Cam dwell: 0-60° (6 cylinder), 0-90° (4 cylinder), 4 cylinder reading/2 for 8 cylinder engine. Points: good to bad. With instructions. **22-1641** ..... **29.95**

## Clamp-On AC Ammeter/Voltmeter

NEW FOR 87

59<sup>95</sup>

- Measures AC Current Without Direct Connection to Circuit
- Measures Up to 600 Volts AC With Included Test Leads

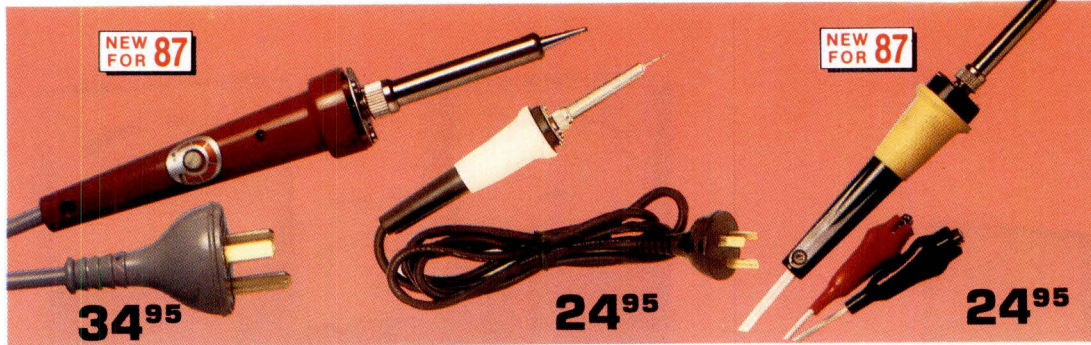
This versatile instrument lets you safely measure energy consumption of appliances and circuits. It's also helpful in balancing loads when you install AC wiring and breakers. Clamp jaws permit easy insertion in tight spaces. Lock switch freezes pointer position so you can remove the meter for easy reading. Measures up to 300 amperes AC in 5 ranges, and up to 600 volts AC in 2 ranges. 10.2 x 5.1 x 1cm. **22-161** ..... **59.95**





# CHEMICALS & HELPERS FOR DO-IT-YOURSELFERS

## Archer® Soldering Irons

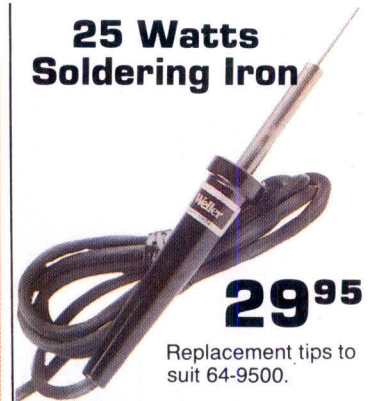


Replacement Tips to suit 64-9550  
64-9570, 64-9580 . . . . Each 4.99

Cat.No.	Replacement Tips
64-9551	0.8mm Chisel
64-9552	1.6mm Chisel
64-9553	3.2mm Chisel

**240V AC Phased Control Soldering Iron.** 16-25 watts 250° – 450°C temperature controlled. 64-9580 . . . . . **34.95**  
**240V AC 15 Watts General Purpose Soldering Iron.**  
 64-9550 . . . . . **24.95**  
**12V DC 30 Watts 360° – 380°C General Purpose Soldering Iron.** 64-9570 . . . . . **24.95**

## 25 Watts Soldering Iron



Replacement tips to suit 64-9500.

Cat.No.	Type	Price
64-9501	Conical	2/4.99
64-9502	Chisel	2/4.99

**240V AC 25 watts WELLER**  
 general purpose soldering iron.  
 64-9500 . . . . . **29.95**

## Copper Foil Shielding Tape

**NEW FOR 87**  
  
**12mm x 3m Roll**  
 Ideal for EMI/RFI shielding of cabinets, computer hookups, motors, RF circuits and more. 64-2341 . . . . . **8.95**

## Heat-Shrinking Tape



**3m Roll**  
**7.95**

Use where shrink-tubing can't be used. Shrinks 30% lengthwise at 135°C. 19mm wide. 64-2335 . . . . . **7.95**

## Rosin Core Solder

Low As  
**1.99**



Meets QQ-571E  
 Federal  
 Requirements

Package	Size	Use	Cat. No.	Each
14g. Handy Pak	1.5	Standard	64-001	1.99
42g. Handy Pak	1.5	Standard	64-002	2.99
113g. Spool	1.5	Standard	64-004	5.95
71g. Spool	.8	Light Duty	64-005	4.99
42g. Spool	1.2	PC Work	64-006	3.99
250g. Spool	1.5	Standard	64-007	11.95

We've got the solder you require for any job. For standard, light and PC work.

## Component Cleaning Sprays



- (1) **Dust Remover Spray.** Cleans all types of circuits, cameras, computer keyboards, copiers, projectors and much more. Gets rid of dust that hampers operation. Spray leaves no residue. Net weight, 177cc. 64-2325 . . . . . **4.99**
- (2) **Cleaner/Degreaser.** Sprays away oil, dirt and grime from circuitry and components. Great for the workshop or bench. Net weight, 236cc. 64-2322 . . . . . **4.99**
- (3) **Color TV Tuner Cleaner.** Spray this concentrated formula into mechanical color tuner to clean and lube contacts. Helps stop "noise". Net weight, 236cc. 64-2320 . . . . . **4.99**
- (4) **Instant Bonding Glue.** Bonds non-porous materials in seconds. 64-2308 . . . . . **2.99**
- (5) **Component Cooler.** Spray on resistors and capacitors to chill them and spot thermal defects. Safe for use with all circuits. Net weight, 177cc. 64-2321 . . . . . **4.99**

## Miniature Butane Torch



**21.95**

- Self-Contained
- Heats to 1370°C

Fits in tool kit or pocket. Cylinder lasts up to 60 minutes. Includes refill. 64-2164 . . . . . **21.95**  
 Extra Cylinders. 64-2166 . . . . . **2/5.95**

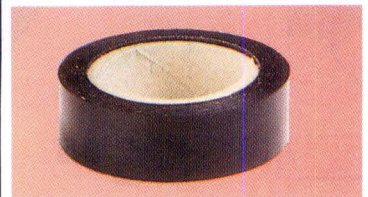
## Innovative Accessories to Make Soldering Easier

Low As  
**1.99**



- (6) **Solder Tape.** 100 pieces. 64-010 . . . . . **1.99**
- (7) **Desoldering Bulb.** 64-2086 . . . . . **3.99**
- (8) **Soldering Iron Holder and Cleaner.** 64-2078 . . . . . **8.95**
- (9) **Four-Piece Soldering Aid Set.** Includes heat sink, brush/scraper and pointed and slotted probes. 64-2227 . . . . . **3.99**
- (10) **Vacuum Desoldering Tool.** Non-stick tip, durable aluminum housing. 64-2098 . . . . . **8.95**
- (11) **Desoldering Braid.** 64-2090 . . . . . **2.99**

## 10kV Dielectric Tape



Low As  
**1.99**

Electrical Tape For All Needs

Roll Size	Cat. No.	Each
12mmx3.8m	64-2348	1.99
19mmx6.1m	64-2349	2.99
19mmx20.3m	64-2350	3.99



# DO THE JOB RIGHT WITH ARCHER® TOOLS

## All-Purpose Tape



Seals  
Ducts  
**7<sup>95</sup>**

Watertight, airtight, unaffected by normal heat, cold or damp weather. 50mm x 9.2m.

64-2347 ..... 7.95

## Packaging Tape



50m  
Roll  
**7<sup>95</sup>**

For sealing packages, boxes and envelopes. Forms airtight seal against moisture and dust. High tensile strength. 50mm wide.

64-2339 ..... 7.95

## 2-Sided Neoprene Tape



NEW FOR 87  
**7<sup>95</sup>**

Great for moving jobs or shipping heavy boxes! Reinforced with embedded nylon fibres for a rugged no-nonsense taping job. Won't stretch like other tape. 25mm x 27m. 64-2351 ..... 7.95

## Battery Engraver



**4<sup>99</sup>**

Scribe on light metal, plastic, wood. Uses two "AA" batteries. 64-9232 ..... 4.99

## 2-Sided Neoprene Tape



**5<sup>95</sup>**

Perfect for Fixing and Building

Double sided Neoprene Tape. For auto trim attachment. 3/4m. 'Scotch-Mount' 4262. 64-9601 ..... 5.95

## Hex Key Set

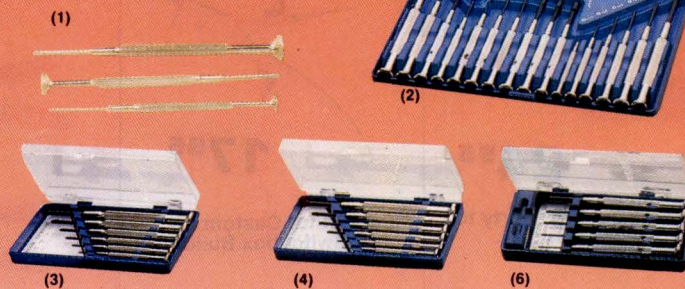


**3<sup>99</sup>**

This 18-piece set has keys for most hex nuts. Complete range of short and long arm sizes. Tempered steel for long life. 64-1849 ..... 3.99

## Precision Tool Sets for Detail Work

### Screwdriver and Hex Key Sets Make Jobs Easier



- (1) Mini Screwdrivers. For eyeglasses and delicate instruments. Set of three with swivel heads. Includes pouch. 64-1982 ..... 2.99
- (2) Assorted Drivers. Includes four Phillips drivers, three nutdrivers, three hex keys, six screwdrivers and a torque bar. 64-1961 ..... 17.95
- (3) Crosspoint Precision Screwdriver Set. Includes 1, 4, 1.76, 2.02 and 2.4mm for #0 drivers and 2.9 and 3.8mm for #1. 64-1962 ..... 7.95
- (4) Screwdrivers. Set of six in sizes #1-6. Chrome-plated brass handles, swivel tops. Widths from 0.8 to 3.8mm. 64-1948 ..... 5.95
- (5) Combination Screwdrivers. Six precision screwdrivers. One for nearly every job. Two Phillips and four regular. 64-1959 ..... 7.95

## Phone Wire Crimper



NEW FOR 87

**9<sup>95</sup>**

For 14 to 28-gauge wire. Cushion-grip, spring-loaded handles. 18.4cm long. 61-410 ..... 9.95

## Crimping Tool



**5<sup>99</sup>**

Crimps terminals, strips and cuts 10 to 22-gauge wire. Cushion-grip handles. 21.5cm long. 64-404 ..... 5.99

## Tap-In Squeeze Connectors



Pkg. of 10  
**4<sup>99</sup>**

Taps for 18-gauge to 14-gauge wire. 64-3052 ..... 4.99

## Solderless Lugs



Per Pkg. **2<sup>99</sup>**

20 ring, hook, and large/small spade-tongue lugs. Pkg of 100. 64-406 ..... 2.99

75 Insulated Lugs. 34 each of 14-16 and 18-22 wire. 7 each of 10-12 wire. 64-407 ..... 2.99

## Insulated Wire Staples



Pkg. (1)  
**2<sup>49</sup>**

- (1) Mini. For modular phone wiring. Pkg. of 50. 64-2876 ..... 2.49
- (2) Standard. For speaker wires and small cords. Pkg. of 40. 64-2875 ..... 2.49

## Deluxe Crimping Tool Set



Insulated Grips

**14<sup>95</sup>**

Set includes crimping tool and an assortment of 100 of the most-popular insulated solderless crimp-on terminals. Includes compartmentalized plastic storage case. 64-409 ..... 14.95

## Lubricating Gel



NEW FOR 87  
**5<sup>95</sup>**

Great for small motors and door hinges. Water-proof and won't attract dust. 64-2326 ... 5.95

## 2-Sided Foam Tape Rolls



1m  
Roll  
**4<sup>99</sup>**

For taping accessories to car dash, pictures to wall, many other uses. 19mm. 64-2343 ... 4.99

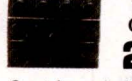
## 2-Sided Foam Tape Strips



25mm Wide,  
76mm Long  
Pkg. Of 8  
**5<sup>95</sup>**

Instantly fastens almost anything. Great for hanging light pictures on walls. 64-2344 ... 5.95

## Self-Sticking Cushion Feet



Pkg. Of 12  
**2<sup>99</sup>**

Great for projects, or as replacements on radios, calculators and more. Just peel and stick. 64-2346 ..... 2.99

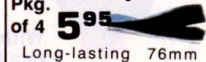
## Jumbo-Size Cushion Feet



Pkg. Of 8  
**3<sup>99</sup>**

Self-sticking 19mm square cushions are ideal for TVs, computers and other large items. 64-2342 ..... 3.99

## Hook-and-Loop Fastener Strips



Pkg. of 4  
**5<sup>95</sup>**

Long-lasting 76mm strips are great for attaching speaker grill cloth or doing home repairs and projects. 64-2345 ..... 5.95

## Electrical Tape Assortment



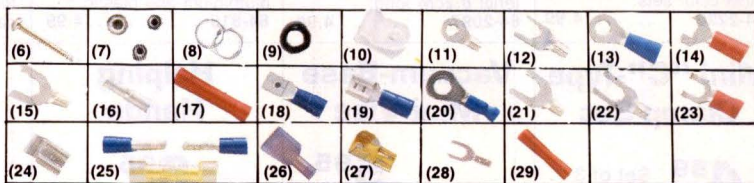
5 Colours  
**5<sup>95</sup>**

PVC vinyl tape for color-coding and other home, shop and auto uses. 19mm x 3.6m rolls. 64-9530 ..... 5.95

## Hardware in Handy "See-Thru" Packs

Only **1<sup>99</sup>** Per Pack

The Right Hardware Makes Repairs And Projects Easier. Stock Up Now!



- (6) Round-Head Machine Screws. 14 each: 2-56 x 1/4", 1/2", 3/4". 64-3010  
14 each: 4-40 x 1/4", 1/2", 3/4". 64-3011
- (7) Steel Machine Hex Nuts. 40 each: 2-56. 64-3017  
30 each: 4-40. 64-3018
- (8) Control Nuts. 8 each: 3/8"-32, 15/32"-32. 7 each: .475"-32. 64-3020.
- (9) Vinyl Grommets. 7 each: 1/4", 5/16", 3/8". 5 each: 7/16", 1/2". 64-3025
- (10) Polypropylene Cable Clamps. 6 each: 1/8", 3/16", 1/4" cable diameter. 64-3028
- (11) Solderless Ring Tongue. 6 each: #6, #8 (22-18 wire size). #6, #8 (16-14). 64-3030
- (12) Solderless Spade Tongue. 6 each: #6, #8 (22-18). #6, #8 (16-14). 64-3031

- (13) Solderless Insulated Ring Tongue. 4 each: #6 (22-18). 2 each: #8 (22-18). #6, #8 (16-14). 64-3032
- (14) Solderless Insulated Spade Tongues. Assorted as above. 64-3033.
- (15) Solderless #10 Spade Tongues. 12 each: (22-18), (16-14). 64-3034
- Same as above, but 5 each. 64-3035
- (16) Butt Connectors. 10 each: (22-18), (16-14). 64-3036
- (17) Insulated Butt Connectors. 5 each: (22-18), (16-14). 64-3037
- (18) Male Quick-Disconnects. 2 each: 3/16". 4 each: 1/4". 2 each: insulated 3/16". 64-3038
- (19) Female Quick-Disconnects. Assorted as above. 64-3039.

- (20) Insulated Large Ring Tongues. 2 each: 1/4", 3/8", 1/2" stud. #16-10. 64-3040
- (21) Solderless Spade. 3 each: #4, #8. 2 each: Insulated #4, #6. 64-3042
- (22) Solderless Flanged Spade. 6 each: #6, #8 (22-18). #6, #8 (16-14). 64-3043
- (23) Solderless Insulated Flanged Spade. You get 4 each: #6 (22-18). 2 each: #8 (22-18). #6 and #8 (16-14). 64-3044
- (24) Female Fast Quick-Disconnect. 5 each: 3/16", 1/4". 64-3046
- (25) Bullet Connectors. Insulated. Three 2-way receptacles. Six snap-lugs. 64-3047

- (26) Solderless Insulated Male/Female Quick-Disconnect. (22-18, 16-14 wire sizes). 1/4" tabs. 4 sets. 64-3049
- (27) Single Female to Dual Male Quick-Disconnect. 3 right angle and 3 offset in-line. 64-3061
- (28) Insulation-Piercing Miniature Spade Lugs. 24 for 22-26 AWG wire. Use Tandy Wire Crimper 64-410. 64-3070
- (29) Miniature Insulated Butt Connectors. 24 for 22-26 AWG wire. Use Tandy Wire Crimper 64-410. 64-3073



# ARCHER® BUILDERS' TOOLS & ACCESSORIES

## Electric Engraving Pencil

NEW FOR 87



**24<sup>95</sup>**

Identify Your Property to Discourage Burglars

"Writes" on metal, wood, plastic — most surfaces. 17cm-long. Powerful 7200-rpm motor, carbide point. AC. 64-2173 ..... 24.95

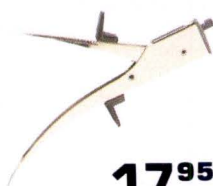
## Ceramic Magnets



**49¢ Each**

10-24	25-99	100-Up
<b>43¢</b>	<b>40¢</b>	<b>36¢</b>
Each	Each	Each

## Nibbling Tool

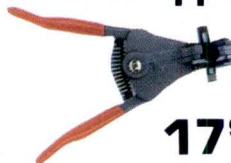


**17<sup>95</sup>**

Perfect for Custom Kit And Switchbox Builders

to 18-gauge steel, 1.5mm copper aluminium and plastic. 64-823 ..... 17.95

## Automatic Wire Stripper



**17<sup>95</sup>**

Pro-quality tool removes insulation from 8 to 22-gauge wire without nicks or breaks. 17cm long. 64-1919 ..... 17.95

## Handy Pliers and Cutters for All Applications



(1)



(2)



(3)



(4)



(5)



(6)



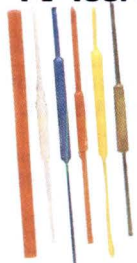
(7)



(8)

- (1) 12cm Long-Nose. Drop forged for long life, polished. Insulated grips. 64-1843 ..... 5.95  
 (2) 16cm Needle-Nose. Durable hardened steel. Comfortable insulated grips. 64-1844 ..... 5.95  
 (3) 11cm Diagonal. Cuts wire in those hard-to-get-at places. Insulated grips. 64-1841 ..... 5.95  
 (4) Stripper/Cutter. For #12-24 wire. 64-2129 ..... 3.99  
 (5) "Dial" Stripper. Set dial to strip and cut. 64-1952 ..... 4.99  
 (6) 11cm Diagonal Cutters. Spring return. 64-1813 ..... 9.95  
 (7) 12cm Nippy Cutters. Flush-cutting design lets you cut leads close to PC boards. Great for your bench. 64-1833 ..... 4.99  
 (8) 15cm Diagonal. Durable hardened steel blades for tough jobs. Insulated grips. 64-1845 ..... 5.95

## TV Tool Sets



5-Piece  
**4<sup>99</sup>**

8 hex tips, 2 slot tips. For most color sets. 64-2220 ..... 4.99

## Mini-Drill



**4<sup>99</sup>**

With 2 Extra Bits In Handle

Ideal for working on PC boards and other light material. 8.2cm long. 64-2097 ..... 4.99

## Tapered Reamer



**4<sup>99</sup>**

High-Density Carbon Steel

Cuts holes up to 12mm dia. in light-gauge steel, aluminium and plastic. 64-815 ..... 4.99

## Precision Knife Set



**8<sup>95</sup>**

Ten interchangeable multi-purpose steel blades for delicate cutting. With case. 64-1801 ..... 8.95

## Utility Knife



**1<sup>99</sup>**

Always sharp. Snap blade end off for fresh edge. With extra blade. 15cm long. 64-1868 ..... 1.99

## Hobby Knife



**2<sup>49</sup>**

All-Metal Handle

For artists, hobbyists and craftsmen. Surgically sharp steel blade. 14cm long. 64-1805 ..... 2.49

## Mini "C"-Type Clamp Set

**4<sup>99</sup>** Set of 3



Holds parts together while working. Three sizes of openings—19, 25, 47mm. 64-2096 ..... 4.99

## Vacuum-Base Mini-Vise

**5<sup>95</sup>**



Instantly mounts on smooth surfaces. 6.9 x 6 x 6cm. 64-2094 ..... 5.95

## Helping Hands

**9<sup>95</sup>**



Extra pair of hands! Ball joints and two alligator clamps adjust to hold work. 64-2093 ..... 9.95

## Locking Forceps

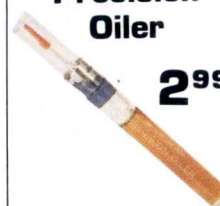
**9<sup>95</sup>**



3-position lock. Use as temporary heat sink and for holding parts. 64-1866 ..... 9.95

## Precision Oiler

**2<sup>99</sup>**



Use on electronic equipment, appliances, tools, toys and more. Resists dust, doesn't coagulate. 64-2301 ..... 2.99

## Spring-Loaded Speed Wrench

**4<sup>99</sup>**



Fits Nut And Bolts From 8 to 14mm

Sure-gripping serrated jaws automatically self-adjust. Chrome plated. 64-1867 ..... 4.99



# WALKIE-TALKIES FOR EVERY PURPOSE

**NEW FOR 87** (1) **Realistic® TRC-501.** Great communications capacity! Only 2.5cm thin. Works up to 800 metres on 55 MHz. .5 microvolt sensitivity. Rotary on/off volume control, LED battery condition indicator, 5-segment telescoping antenna. Requires 9V battery. **21-401 . . . . .49.95**

**NEW FOR 87** (2) **Realistic TRC-88. 3 Channels, 1 Watt.** Squelch and volume controls, battery-test LED indicator, battery charger jack. With channel 14 crystals. Add optional crystals for two more channels. Telescoping antenna. 24.7 x 8.5 x 6.9cm. Requires 8 "AA" batteries or 10 rechargeable batteries. **21-9610 . . . . .89.95**

**NEW FOR 87** (3) **Realistic TRC-218. 3 Channels, 2 Watts.** Auto-modulation and Range-Boost antenna system for extended signal reach. Squelch control, separate speaker and mike, battery-test LED. With channel 14 crystals. Add optional crystals for two more channels. 26 x 7.9 x 6.3cm. Requires 8 "AA" batteries or 10 rechargeable batteries. **21-9638 . 109.95**

**NEW FOR 87** (4) **Realistic TRC-219. 3 Channels, 3 Watts.** Auto-modulation, Range-Boost signal extender. Center loaded antenna, squelch control, battery-test and modulation LEDs. External antenna and charger jacks. With channel 14 crystals. Add optional crystals for two more channels. 26 x 7.9 x 6.3cm. Requires 8 "AA" batteries or 10 rechargeable batteries. **21-9639 . . . . .129.95**

**NEW FOR 87** (5) **Realistic TRC-217. 40 Channels, 5 Watts.** Covers all 40 channels, no crystals needed! Phased-Locked Loop circuitry gives precise frequency control and stability over all channels. Range-Boost extends signal reach. Built-in automatic noise limiter, separate speaker and mike. Ceramic filter for increased selectivity and rejection of adjacent channel interference. Telescoping antenna, channel display/battery-test LED, squelch control, hi/lo battery-saver switch. External antenna and battery charger jacks. Requires 8 "AA" batteries or 10 rechargeable batteries or DC adapter. **21-1644 . . . . .199.95**

(6) **Realistic TRC-216. 40 Channels, 5 Watts.** Our best walkie-talkie! Ready to use on all 40 channels—no crystals required! Phased-Locked Loop circuitry for precise frequency control and stability. LCD channel readout and battery condition/RF meter, hi/lo battery-saver switch. Ceramic filter for increased selectivity and omission of adjacent channel interference. Squelch, automatic noise limiter, separate speaker and mike. Includes jacks for ear-phone, hand mike, antenna, battery charger. 20.3 x 7.6 x 5.5cm. Requires 8 "AA" batteries or 10 rechargeable batteries. **21-1663 . . . . .299.95**

## Transmit/Receive CB Crystals

Two-Pack includes one receive and one transmit. Other frequencies not listed may be special-ordered. See page 119 for crystal ordering system.



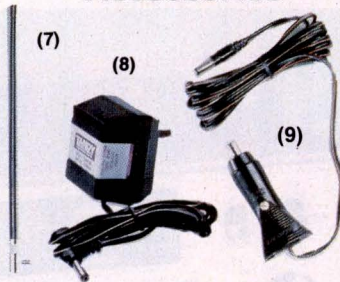
**All  
799  
Set**

### MARINE CHANNELS

Cat. No.	Frequency MHz
21-9519	27.880
21-9521	27.910
21-9523	27.900
21-9524	27.860
21-9525	27.940
21-9526	27.960
21-9575	27.680
21-9576	27.720
21-9577	27.820
21-9578	27.980

Cat. No.	Frequency MHz
21-9512	27.015
21-9313	27.065
21-9314	27.085
21-9516	27.125
21-9532	27.055
21-9574	27.620

## Walkie-Talkie Accessories



(7) **Flexible Antenna.** For loaded and standard antennas. Clamps with one screw. **21-980 . . . . .14.95**

(8) **Battery Charger.** For 12-15V nickelcadmium batteries. Use with Tandy Walkie-Talkies. **21-9902 . . . . .11.95**

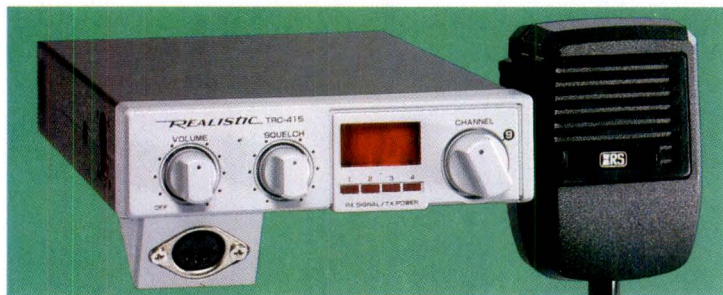
(9) **12VDC Car Power Cord.** Neg. gnd. 2.4m. **270-1533 . . . . .8.95**





# NEVER DRIVE ALONE AGAIN – REALISTIC® CB 2-WAY RADIO

## Budget-Priced Compact With LED Meter



**129<sup>95</sup>** Easily Fits Under Most Dashes

D.O.C. Approval #249A079

**Realistic TRC-415.** Small size and price, yet has ceramic filters for superior selectivity, an easy-to-read LED channel display, 4-step LED signal/RF power meter, automatic noise limiter, jack on rear panel for optional external speaker. 5.1 x 11.6 x 16.5cm. Negative ground only. **21-1509 . . . . . 129.95**

## Complete "Road Emergency" CB System



Call for Help Without Leaving  
The Safety of Your Car

**169<sup>95</sup>** No Extras  
To Buy!

D.O.C. Approval #249A058

**Realistic TRC-412.** Incredibly easy to use. Place the magnet-base antenna on roof of car, plug CB into cigarette lighter, select the desired channel and talk. The entire system, including antenna, fits in the included vinyl travel case that will store under seat or in trunk. 9.5 x 32.3 x 17.9cm. Negative ground only. **21-1506 . . . . . 169.95**

## Instant Selection of Channels 9 and 19



**199<sup>95</sup>** **NEW FOR 87** Monitor CB While Using PA

D.O.C. Approval #249A0131

**Realistic TRC-418.** You can go to channel 9 or 19 and return to your previous channel with the flip of a switch. Large LED display, 5-step LED signal/RF power meter, LED "on" and modulation indicators. Switchable automatic noise limiter helps reduce ignition "hash". Jacks for optional public address and external speakers. 4.4 x 13.9 x 19.6cm. **21-1511 . . . . . 199.95**

## Channel 9 Priority Switch, Tone Control



**249<sup>95</sup>** **NEW FOR 87** RF Gain Control

D.O.C. Approval #249A0117

**Realistic TRC-474.** Features one-button switching to emergency channel 9. Three-way PA/CB/Monitor switch lets you monitor CB calls when using an optional public address speaker. Lighted signal/RF power meter, switchable automatic noise limiter. Rear-panel jacks for optional PA and external speakers. 3.9 x 13.9 x 16.9cm. **21-1539 . . . . . 249.95**

## AM/SSB CB for More Range and Channels

**349<sup>95</sup>**

Provides 40 AM Channels  
Plus 80 SSB Channels

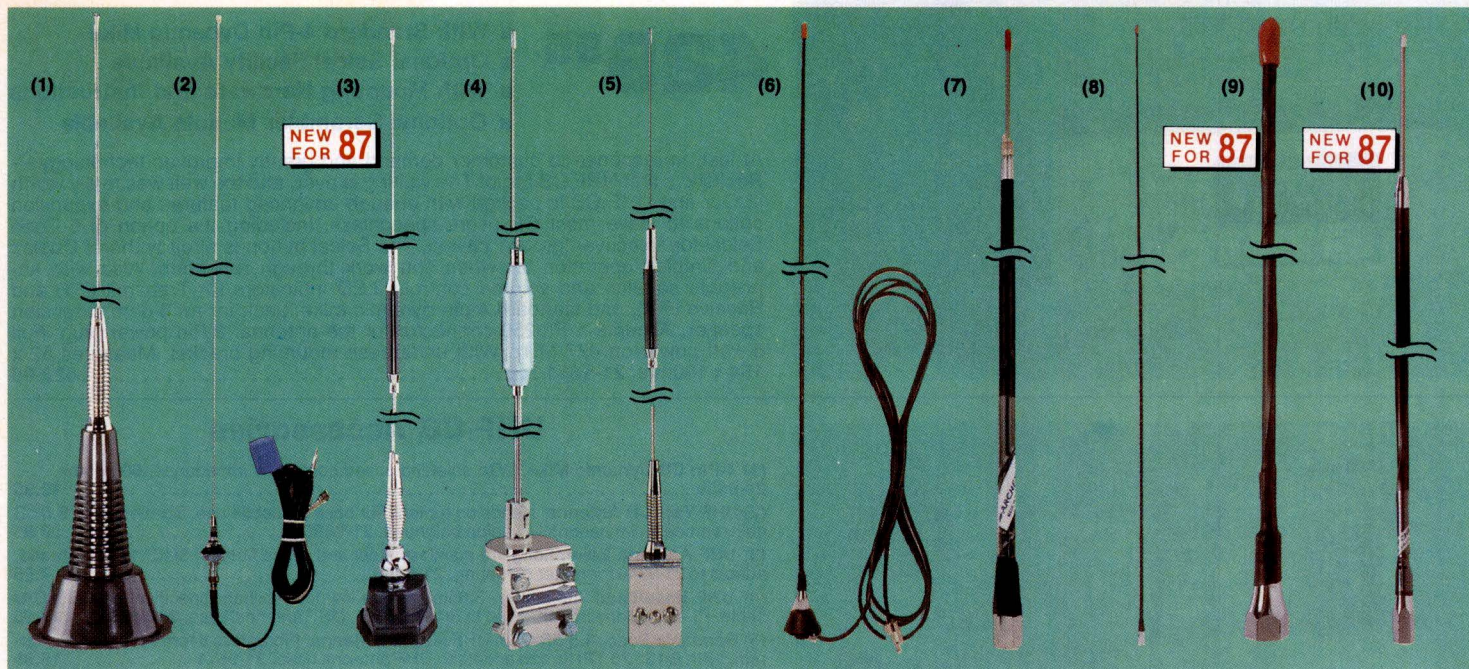
D.O.C. Approval #249A096

**Realistic TRC-453.** SSB (single sideband) gives you greater range and clarity. Switchable noise blanker dramatically reduces ignition interference. RF gain control prevents strong-signal overload. 5-Step LED signal/RF power meter and LED transmit indicator. 1/8" jacks for optional PA and external speakers. 5.7 x 15.6 x 20.6cm. **21-1566 . . . . . 349.95**





# TOP-PERFORMANCE MOBILE CB ANTENNAS



**Archer® Antennas 21-940, 21-990, 21-948, 21-941, 21-909, 21-9905.** Above: include base, antenna whip, cable and PL-259 connector.

**(1) Base-Loaded Magnet-Mount.** Mounts instantly on any flat magnet-holding surface. Hardened stainless steel whip, heavy-duty shock spring. With 4.8m cable, connector. 21-940 ..... 59.95

**(2) CB/AM/FM "Disguise" Antenna.** Mounts in a standard car radio antenna hole. Tapered 81cm stainless steel whip. Includes 2.6m cable, splitter, connectors for CB and car radio mounting hardware. 21-990 ..... 69.95

**(3) NEW! Stainless Steel Hatchback-Mount.** Universal swivel ball allows mounting in almost any position, with whip remaining vertical. No holes to drill. Center-loaded design. With 4.8m cable. 21-948 ..... 59.95

**(4) Single Truckers II Antenna.** Heavy-duty mirror-mount adjusts for vertical or horizontal brackets. Over-size centre resonator. Approx. 147cm overall. 3-metre cable, connector. 21-941 ..... 59.95

**(5) Gutter-Clamp Antenna.** Easy to mount in car roof rain gutter, and simple to transfer from car to car. Center-loaded. Stainless steel spring and whip. Approx. 94cm overall. 3-metre cable. 21-909 ..... 59.95

**(6) 90cm Roof Mount Antenna System.** ¼ wave Helical whip with 5/16" base and 365cm cable with PL259 plug. 21-9905 ..... 29.95

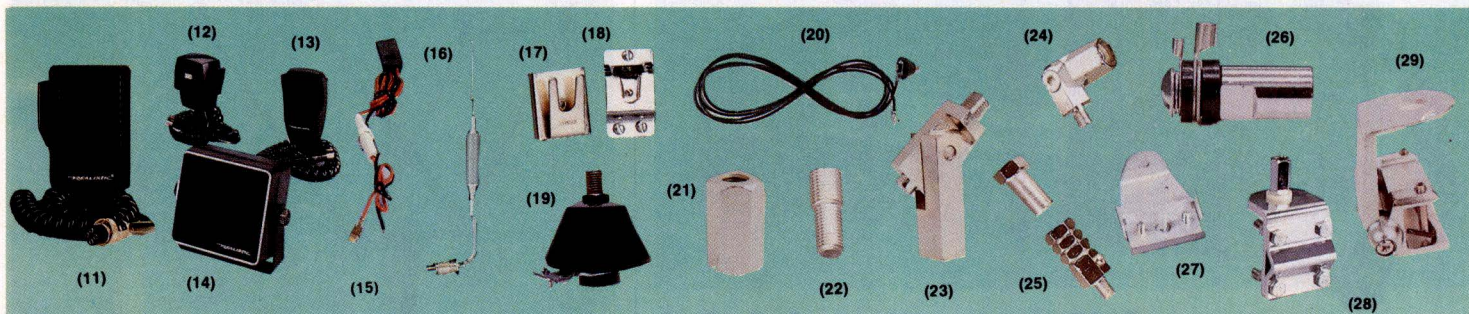
**(7) Adjust-Tip Antenna.** 90cm. 5/16" thread. 21-9903 ..... 24.95

**(8) Helical Superwhip Antenna.** Smart black coated fibreglass wire wound CB antenna. 5/16"-26 T.P.I. thread. 21-9910 ..... 19.95

**(9) NEW! 110cm C.B. antenna with 5/16", 26 T.P.I. thread.** 21-9906 ..... 14.95

**(10) NEW! 30cm adjustable tip C.B. antenna.** 5/16", 26 T.P.I. thread. 21-9907 ..... 16.95

## Tandy Has Quality CB Accessories for All Your Needs



**(11) 4-Pin CB Dynamic Mike.** With shielded coiled cord. Low impedance, 600 ohms. 21-9650 ..... 19.95

**(12) Dynamic Mike.** Features shielded coiled cord and DIN-type plug. 21-1172 ..... 19.95

**(13) Noise-Cancelling Mike With Preamp.** Cuts noise and assures 100% modulation. Requires 7-volt battery. (Operates as a dynamic mike without battery). 21-1175 ..... 39.95

**7-Volt Battery.** 23-601 ..... 12.95

**(14) Extension Speaker.** Adjustable base. 10-foot cable with 1/8" mini plug. Rated 5 watts, 8 ohms. 21-549 ..... 22.95

**(15) 12 VDC Replacement Power Cord.** 122cm long with 3-pin plug and inline fuse holder. Requires 2-amp fuse. 21-550 ..... 7.99

**(16) Back-of-Set Antenna.** 90° design, plugs directly into CB's antenna socket. Center-loaded. 21-921 ..... 16.95

**(17) Magnetic Mike Holder.** Holds securely to any magnet-holding surface. 21-1130 ..... 3.49

**(18) Mike Clip.** Mounts with included screws or insta-mount adhesive. 21-923 ..... 3.99

**(19) 5/16" Antenna Base.** 21-9925 ..... 4.99

**(20) Base/Lead Assembly.** 5/16" antenna base 365cm cable with PL259 plug. 21-9926 ..... 14.95

**(21) 5/16" to 3/8" Female Adapter.** 21-9930 ..... 2.49

**(22) 5/16" to 3/8" Male Adapter.** 21-9931 ..... 1.99

**(23) Foldover Snapdown Mount.** Fits 5/16" base. 21-9935 ..... 11.95

**(24) Angle Adapter.** 5/16" thread. 21-9936 ..... 9.95

**(25) Pop-in Snap-out 5/16" thread.** Quick release. 21-9937 ..... 9.95

**(26) Antenna Feedthrough.** Accepts whips or coils with standard 3/8"-diameter thread. Solderless crimp connectors for coaxial cable. Fits mounting plates up to 1/8" thick. 21-950 ..... 6.99

**(27) Gutter Clamp.** For most antennas requiring 3/8" diameter mounting hole. 21-911 ..... 16.95

**(28) Mirror/Luggage Rack Bracket.** For whips with standard 3/8"-diameter thread. 21-937 ..... 22.95

**(29) Heavy Duty Gutter Mount.** Fully adjustable. Accepts 21-9925 base. 21-9940 ..... 18.95

Prices Apply at All Tandy Stores and Participating Dealers



# 40-CHANNEL UHF CB RADIO AND ACCESSORIES

D.O.C. Approval #250031

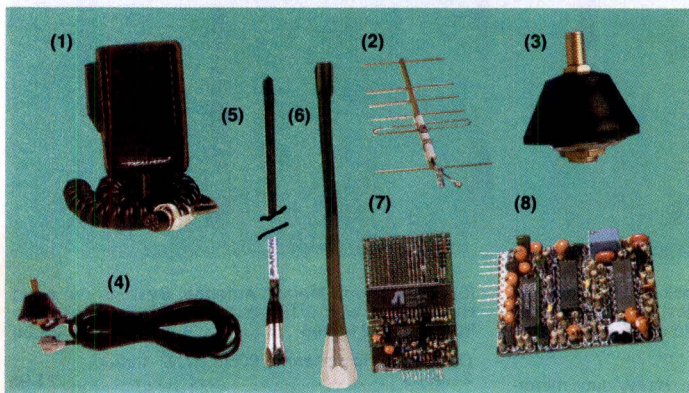


## 429<sup>95</sup>

- With Standard 4-Pin Dynamic Mike
- Optional Selcal Facility Available
- With Mounting Hardware and Instructions
- Optional Scrambler Module Available

At last, in response to customer demand and greatly improved technology — Realistic's first UHF CB radio! The waiting is over, and the wait was really worth it! Our first UHF CB is packed with enough advanced features and expansion options to leave most CB users speechless. Including the option of 5 Tone Selcal for selective "group" calling. The Selcal button is already there! Duplex and simplex operation for when you work through repeaters. Also with adjustable squelch and volume controls, LED indicators for Transmit (TX) and Receive (RX), and standard 4-pin dynamic mike. Jack for an 8-ohm extension speaker. Accepts a PL-259 connector for the antenna. 3-Pin power plug. Full 5-watt power on 477 MHz. With underdash mounting bracket. Measures 52 x 154 x 190mm. **21-9651** ..... **429.95**

## UHF CB Accessories



- (1) **4-Pin CB Dynamic Mike.** With shielded coiled cord. Low impedance, 600 ohms. **21-9650** ..... **19.95**
- (2) **UHF Yagi CB Antenna.** Needs no tuning! For base or mobile use. Six elements, 8.5 dB gain, vertical polarisation, "J" balun balanced. **21-9680** ..... **59.95**
- (3) **UHF Antenna Base.** Long life stainless steel and brass fittings. 5/16" 26 TPI thread, adapts to 21-9940 for gutter mounting. **21-9660** ..... **7.95**
- (4) **UHF Base/Lead Assembly.** 3.65m of ultra-low loss military specification RG58C/U cable. PL-259 connector attached to 5/16" 26 TPI, UHF antenna base. **21-9665** .... **17.95**
- (5) **Bendable Base, 4.5 dB Gain UHF Mobile Antenna.** Fibreglass 54cm whip for open terrain. With 5/16" 26 TPI thread adapts to UHF antenna base. **21-9671** ..... **16.95**
- (6) **Unity Gain UHF Mobile Antenna.** 10cm stainless flexi whip for close terrain. Use with 21-9660 5/16" 26 TPI thread UHF base or adapts to 21-9665. **21-9675** ..... **7.95**
- (7) **Selcal Module.** For selective "group" calling on all channels — ideal for mobile business calls! CB is silent until that "group" is called. Five-tone code. Installation by technician recommended. **21-9653** ..... **149.95**
- (8) **Scrambler Module.** Enjoy private conversation with your UHF radio. Professional installation recommended. **21-9654** ..... **149.95**

## Make Tandy Your CB Base Station Headquarters

### 27MHz 40-Channel CB Mobile/Base Station

D.O.C. Approval #249A080

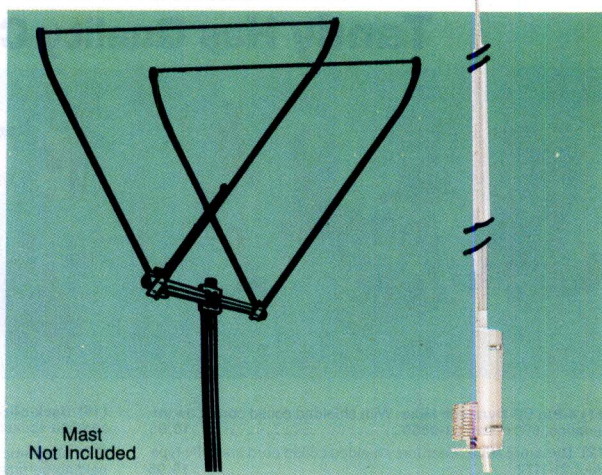


## 289<sup>95</sup>

- Dual-Power—Use at Home or On-the-Road
- Priority Switch Accesses Emergency Channel 9 or Channel 19 Instantly

**Realistic Navaho® TRC-433.** A base/mobile CB radio that works equally well from your home or vehicle. Crystal and ceramic filters for sharp receiver selectivity and freedom from interference. Switchable ANL/noise blanker cuts impulse-type interference. LED meter shows RF output power. Hysteresis-type squelch eliminates signal "chopping". LED channel display PLL frequency control. PA speaker and 1/4" headphone jack. With lock-plug mike. Adjacent channel rejection, 60 dB at 10 kHz. 6.8 x 28.1 x 21.9cm. 240V AC or 12V DC pos./neg. gnd. **21-1547** ..... **289.95**

## 27MHz C.B. Base Station Antennas



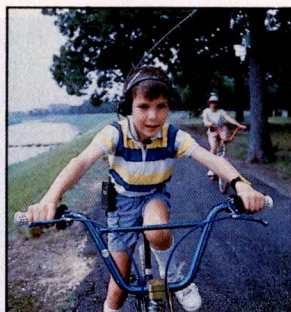
**VQ2.** Dual polarity Delta Quad Antenna System features short boom only 1.8m. 7 dB forward gain. Multiple or dual polarity. **21-9950** ..... **149.95**

**Archer® Basemaster Base Station Antenna.** Vertical 1/2-wave stands 5.5m high adjustable from 26-28 MHz. Mounting hardware and instructions included. **21-9946** ..... **69.95**



# REALISTIC® THE BEST ON LAND AND SEA!

## FM Headset Transceivers



- Hands-Free Communications Up to 800m Outdoors, 400m Indoors
- Adjustable Headset, with Boom Mike, Covers Just One Ear for Safety
- FM Operation for Clear Sound

NEW LOW  
PRICE!

**99<sup>95</sup>**  
Pair

Was 129.95  
in '86 Catalogue

**Realistic® TRC-500.** Now you can talk easily with a companion while jogging, biking, fishing or working. Voice-activated circuit automatically switches to "transmit" when you speak into the mike, then switches to "receive" when you stop. Adjustable mike sensitivity — switch to "low" to prevent accidental transmission during strenuous activity, or "high" to pick up soft voices while fishing, for example. Push-to-talk button permits manual operation. Three-level volume control. 55-MHz. FM and dual-conversion receivers with 1/2-microvolt sensitivity for noise-free reception. With belt clips. Each headset requires 9V cells. **21-400 ..... 99.95**

## Our Best! Powerful AM/SSB Marine CB



**349<sup>95</sup>**

- Digital PLL for Ultra-Precise Frequency Control
- 10 Channels AM, 10 Channels SSB
- P.A. and RF Gain Control

**Realistic TRC-621.** 10-Channel AM/SSB Marine CB with RF gain control, squelch, signal meter. PA auxilliary jack and EXT/INT switch. Single hand operation. Complete with microphone and mounting hardware. 12VDC negative or positive ground operation. **21-9621 ..... 349.95**

## Marine 5-Watt 6-Channel Walkie Talkie

**229<sup>95</sup>**

- Includes Emergency Channel 88 Crystals

- Carry Case Included



- Requires Optional Crystals for Five More Channels

- Ni-Cad Charge Jack

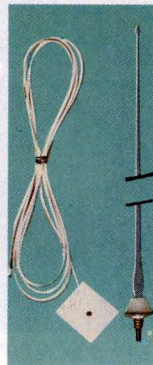
## Communication Coax Assemblies

All cable is 52-ohm. Assemblies include PL-259 connectors on each end, except 278-9660

metre	Type	Cat. No.	Each
7.31	RG58U	278-9700	17.95
14.63	RG58U	278-9710	27.95
0.61	RG58U	278-9680	8.95
3.66	RG58U	278-9660	9.95

## Marine Antenna

NEW  
FOR 87



**44<sup>95</sup>**

Made of durable fibreglass to last. Install it yourself. 152cm whip length. With ground plane eliminator. Standard 5/16" thread and full instructions. **21-9916 ..... 44.95**

## Field-Strength/SWR Meter



**34<sup>95</sup>**

For 2-30 MHz

Reads standing wave ratio (forward/reflected) to 1 kW. Portable field-strength meter. 4.8 x 15.7 x 6.4cm. **21-525 ..... 34.95**

**Realistic TRC-211M.** Stay in touch when you're out boating with this feature-packed unit. Ceramic filter reduces channel interference, Auto Modulation and Auto Gain produce constant levels, with built-in noise limiter. Hi-lo switch saves batteries during short range transmissions. Built-in mike and speaker. Telescopic antenna. Battery condition/RF power meter. Requires eight "AA" cells or 12V DC power. **21-9652 ... 229.95**



# HOME/CAR\* PROGRAMMABLE SCANNERS

**Finest Ever! 300 Channels for the Excitement of All-Band Listening**

**NEW  
FOR 87**

**649<sup>95</sup>**

- Direct Keyboard Entry of Over 200,000 Frequencies
- No Crystals Needed
- Hear Public Service As Well as Standard FM Broadcasts



U.S. Pat. Nos. 3,794,925, 3,801,914, 4,245,348

**Realistic® PRO-2004.** The ultimate scanner! Delivers a wide range of frequencies not found on most scanners, even military bands and CB! Search mode finds new channels, memory stores the ones you like most for instant recall. Accurate Zeromatic® tuning, selectable scan and search speeds, scan delay, channel lockouts, priority function and squelch control. Continuous

tuning from 25-520 MHz and 760-1300 MHz. 300 channels for storing frequencies. Large LCD channel/frequency display, built-in speaker, telescoping antenna. Jacks for external antenna, headphone, external speaker, tape recorder and DC adapter. 7 x 27 x 22.5cm. 240V AC (or 12V DC power cord, extra). **20-9119 .....649.95**

## Value Priced! 200-Channel Full-Featured Direct-Entry Scanner

**NEW  
FOR 87**

**479<sup>95</sup>**

- Hear Ham, Public Services, Aircraft And Much More
- No crystals needed!
- Direct Access to Over 23,000 Frequencies



U.S. Pat. Nos. 3,794,925, 3,801,914, 4,245,348

**Realistic PRO-2021.** Get superior performance with the very latest in solid-state technology. Features direct keyboard entry, search and scan in two speeds, two-second scan delay so you won't miss return calls, priority circuit and individual lockouts for temporarily bypassing channels. Scan up to 200 channels in these bands: VHF-Lo 68-88 MHz, VHF-Air 108-136 MHz, Government 138-144 MHz, Ham 144-148 MHz, VHF-Hi 148-174 MHz,

Ham/Government 380-450 MHz, UHF-Lo 450-470 MHz, and UHF-Hi 470-512 MHz. Easy-to-read LCD channel/frequency display, squelch control and built-in speaker. Jacks for external speaker, external antenna and tape recorder. 7.9 x 26 x 20.3cm. Includes mounting bracket for mobile use. 240V AC (or DC adapter, extra). Memory backup requires 9V battery.

**20-9113 .....479.95**



# HEAR THE ACTION ON REALISTIC® SCANNERS

## 20-Channel Direct-Entry System

NEW  
FOR 87

No Crystals Needed  
To Tune in Action  
On Over 23,000  
Frequencies

**349<sup>95</sup>**

**Realistic PRO-2010.** Brings the action to you! Features direct keyboard entry to hear police, fire, trains, Hams, weather and much more! Has automatic scan and features fast/slow search to find new channels and memory to store your favourites. Features two-second scan delay, channel lockout function with built-in skipper circuit, squelch control, built-in speaker, and fluorescent frequency/channel display. Priority function automatically switches to your favourite channel when a call is received on it. Covers VHF-Lo 68-88 MHz, VHF-Air 108-136 MHz(AM), Government 138-144 MHz, Ham 144-148 MHz, VHF-Hi 148-174 MHz, Ham/Government 380-450 MHz, UHF-Lo 450-470 MHz and UHF-Hi 470-512 MHz. Telescoping antenna, jacks for external antenna and headphones. 6 x 26.7 x 19cm. 240 VAC. **20-9114 . . . 349.95**

## Order Custom Made VHF, UHF and C.B. Crystals



**19<sup>95</sup>**  
Each

OFFICE USE ONLY	
TANDY ELECTRONICS CRYSTAL ORDER FORM	
CUSTOMER DETAILS	
Name	1.
Address	2.
Postcode	3.
Phone	4.
STORE DETAILS	
Store No.	5.
Docket No.	6.
Date	7.
Model No. (e.g. PRO 2010)	8.
Model Name (e.g. REALISTIC)	9.
FREQUENCY REQUIRED	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
Crystals \$19.95 each	

Any crystal you want, Tandy will arrange, and mail direct to your home address. Simply visit your nearest store, and we'll do the rest.

## Portable Scanner — Crystal Controlled

NEW  
FOR 87

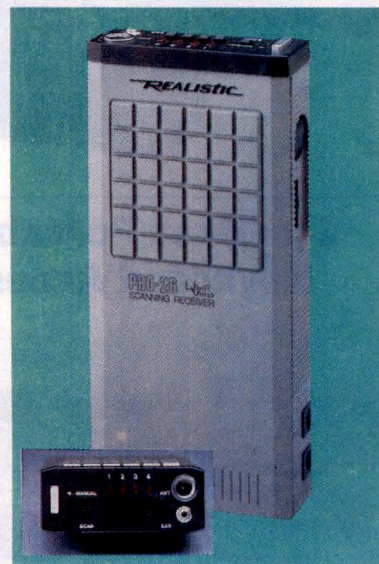
VHF-Hi/Lo/UHF

**179<sup>95</sup>**

With Two Antennas  
For Best Results

Telescoping-Type for  
Optimum Range  
Short "Rubber-Ducky"  
For Close Quarters

**Realistic PRO-26.** Automatically scans up to four channels on four bands — 68-88 MHz VHF-Lo, 144-174 MHz VHF-Hi, 450-470 MHz UHF-Lo and 470-512 MHz UHF-Hi. Features scan-delay to catch all responses, individual channel lockout and squelch control for noise-free monitoring. Built-in speaker. Includes earphone for private listening, belt clip. Requires one crystal for each channel. 15.2 x 7 x 2.9cm. Requires 4 "AAA" batteries. **20-9107 . . . 179.95**



U.S. Pat. No. 3,794,925

## Antennas and Accessories for Best Reception

(1) Indoor VHF/Air/UHF Plug-In Antenna. Centre-loaded. Extends from 41cm to 102cm. Motorola-type plug. **20-161 . . . 17.95**

(2) VHF/UHF/Air Magnet-Mount Mobile Antenna. With 4.87m cable, Motorola-type plug. **20-018 . . . 59.95**

(3) VHF/UHF/Air Scanner Antenna. Suits 21-9660. UHF antenna base **20-9600 . . . 14.95**

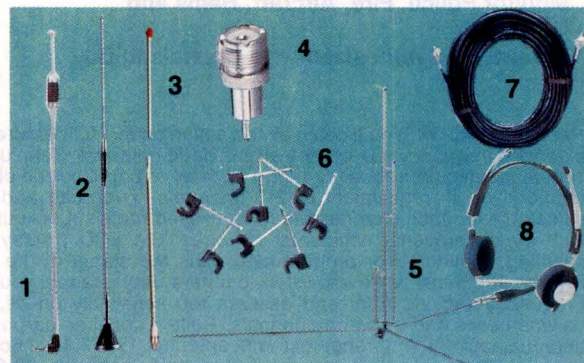
Coax Adapter. Adapts PL-259 connector to Motorola-type plug. **278-208 . . . 3.49**

(5) VHF/Air/UHF Base Antenna. Accepts PL-259 connector. Less cable. **20-014 . . . 79.95**

(6) Coax Clips. For RG58/U. **20-192 . . . Pkg. of 10/1.99**  
**20-193 RG8 Clips . . . Pkg. of 6/1.99**

(7) Coax Cable Assemblies. 52-ohm cable. PL-259 connectors at both ends. 15 metres RG58/U. **278-9710 . . . 27.95**

(8) Monophonic Headset. Standard 1/4" plug. **20-210 . . . 16.95**

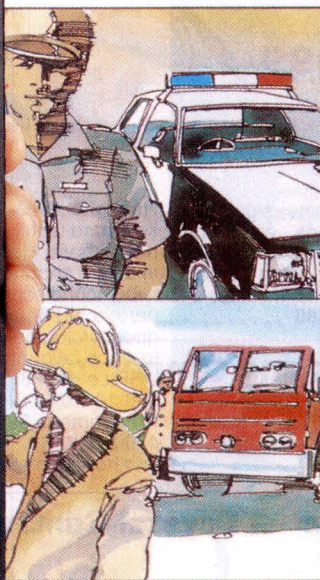


Come to Tandy for All Your Scanner Needs



# PORTABLE PROGRAMMABLE SCANNER RADIOS

## Compact 10-Channel Scanner With Direct Keyboard Access to 22,363 Frequencies



U.S. Pat. No. 3,794,925

# 379<sup>95</sup>

- Frequency Synthesized—No Crystals to Buy
- 68-88 MHz VHF-Lo
- 138-144 MHz Federal Government
- 144-148 MHz Amateur ■ 148-174 MHz VHF-Hi
- 380-450 MHz Government and Ham
- 450-470 MHz UHF-Lo ■ 470-512 MHz UHF-Hi

**Realistic® PRO-31.** Listen to police, fire, trains, ambulances, Hams and a whole lot more on this microprocessor-controlled scanner. It's small enough to go anywhere you do, and with direct keyboard frequency entry, you'll never have to buy crystals! Just punch in the frequency you want, then sit back and monitor the action. Scans up to 10 of your favorite channels continuously. Two-second scan delay for each channel prevents missed replies. Lockout feature lets you bypass temporarily unwanted channels. Large LCD display shows channels and frequencies being scanned, monitored or programmed, as well as the channel status. Frequency-tracking front end assures top sensitivity on all bands. Squelch control eliminates noise between calls and between channels while scanning. Special circuit keeps programmed frequencies in memory while changing batteries, or during power failures while using AC. Built-in speaker, earphone jack. With flexible antenna, jack for long-range external antenna. 18.7 x 7.4 x 4.1cm. Requires 6 "AA" batteries or AC or DC adapter. **20-9132 . . . . .379.95**

## Our Best Portable! 200 Channels & Direct Keyboard Access to 23,684 Frequencies



NEW  
FOR 87

# 499<sup>95</sup>

- 68-88 MHz VHF-Lo
- 144-148 MHz Amateur
- 108-136 MHz (AM) Aviation
- 138-144 MHz Government
- 144-148 MHz Amateur
- 148-174 MHz VHF-Hi
- 380-450 MHz Government/Ham
- 450-470 MHz UHF-Lo
- 470-512 MHz UHF-Hi

U.S. Pat. Nos. 3,794,925; 3,801,914; 4,245,348

**Monitor Police, Fire, Aircraft, Hams and UHF C.B.**  
**Frequency Synthesized—No Crystals to Buy**

**Realistic PRO-32.** You'll catch all the action on this full-featured, microprocessor-controlled scanner with extended frequency coverage—all in a hand-held size. Scan up to 200 channels in 10 selectable banks or search a selected frequency range for new or unpublicized channels. You can store up to 10 in monitor memory for the equivalent of 210 channels. Two scan and search speeds. Two-second scan delay, selectable for each channel, prevents missed replies. Lockout bypasses unwanted channels. Keyboard-lock switch prevents accidental changes. Big LCD display shows channels and frequencies being scanned, monitored or programmed, plus the status of the channels. Priority function monitors your favorite frequency while you listen to others. Any channel you choose can be made the priority channel. Frequency-tracking front end assures top sensitivity on all bands. Squelch control eliminates noise between calls and between channels. Built-in speaker, earphone jack for private listening. With flexible antenna, jack for long-range external antenna. 19 x 7.4 x 4.6cm. Requires 6 "AA" batteries or AC or DC adapter. Memory backup requires 3 silver-oxide batteries. **20-9133 . . . . .499.95**





# AUTOMOTIVE ALARMS & PERSONAL SECURITY



## Module to Design Your Own Alarm System

**37<sup>95</sup>**

Uses your car's horn or an optional electronic alarm. Automatically arms itself after last door is closed. 20-second entry delay. Alarm output handles 12VDC at 15A. With manual, wire. Add accessories below to complete your system. 12VDC neg. gnd. 49-751 . . . . . 37.95

## Low-Cost Auto Motion Detector Switch



Senses Movement

**14<sup>95</sup>**

Mounts under. Add to any of the systems above. Adjustable sensitivity. Normally open circuit. 49-520 . . . . . 14.95

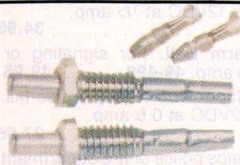
## Hide A Key



**1<sup>49</sup>**

No more lockouts! Grips any flat magnet holding surface. 49-050 . . . . . 1.49

## Extra Pin Switches



Pkg. of 2

**4<sup>99</sup>**

For hood, trunk, doors. Use with any system on this page. 49-509 . . . . . 2/4.99

## Window/Door Alarm

Install Several

**5<sup>99</sup>**

Alarm sounds when opened. With screws and adhesive backing. Requires two "AA" cells. 49-494 . . . . . 5.99

## Hand-Held Personal Alarm

**14<sup>95</sup>**

With Door Attachment

Press bar and the alarm sounds for up to one hour. Shuts off with code. Requires 9V alkaline battery. 49-610 . . . . . 14.95



## "Silent" Alarm with Pocket Receiver



**159<sup>95</sup>**

You Hear the Alarm Up to 3.2km Away But the Thief Doesn't

Transmitter attaches to your car radio antenna, sensors mount on door posts. Alarm signals receiver, optional siren or both. Digitally coded, can also be used to page. With mounting hardware. Receiver requires 9V cell. 12VDC neg gnd. D.O.C. Approval #249A0113. 49-791 . . . . . 159.95

## Keyless Auto Alarm System



**59<sup>95</sup>**

No Keys To Lose Or Forget

Arms after last door is shut. Loud penetrating alarm can be easily heard. 20-sec entry/40-sec exit delay. With mounting hardware. 12VDC neg gnd. 49-781 . . . . . 59.95

## Keyless Alarm with Motion Sensor

**89<sup>95</sup>**



Protects Hood, Trunk & Doors

Intrusion or tampering triggers loud 3-minute alarm, then resets. 40-second exit/20-second entry delay. With mounting hardware. 12VDC neg gnd. 49-762 . . . . . 89.95

## Personal Hand-Held Alarm

**5<sup>99</sup>**



Portable protection that fits in hand, pocket or purse. Pull attached cord to set off loud, piercing alarm. 49-611 . . . . . 5.99

## Wallet/Purse Personal Alarm

**9<sup>95</sup>**



Card inserts into wallet or purse. If thief attempts to remove wallet or purse, alarm sounds. On/off switch. Requires two "AAA" batteries. 49-601 . . . . . 9.95

## Electronic Door or Window Alarm

Key Operated On/Off Switch

**19<sup>95</sup>**

Loud, shrill alarm. Exit/entry delay. 13 x 5.7 x 3.2cm. Requires 9V alkaline cell. 49-421 . . . 19.95



## Combination Alarm & Entry Chime

Arms with Secret Keyboard Code

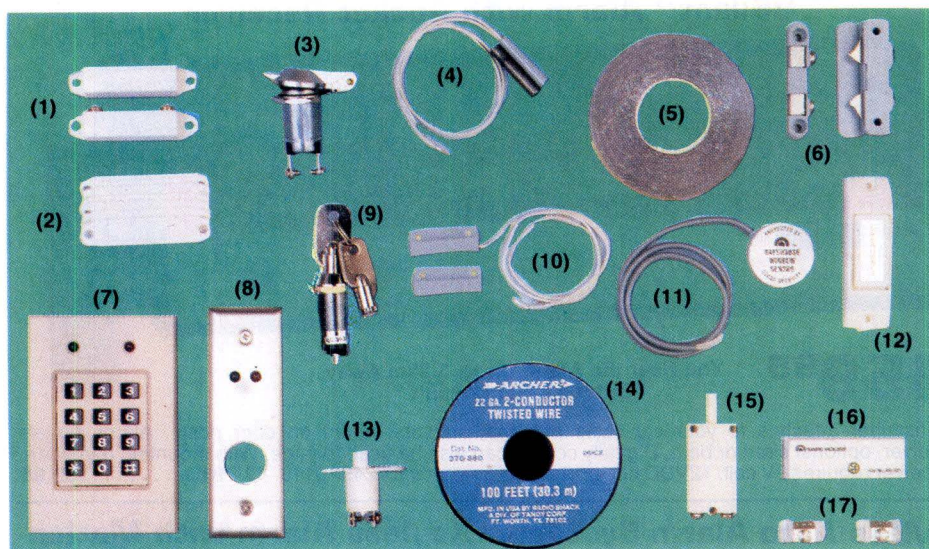
**39<sup>95</sup>**

Door alarm plus "ding-dong" chime to announce callers. 16.8 x 7 x 3.2cm. Requires 9V alkaline cell. 49-422 . . . . . 39.95





# ACCESSORIES FOR YOUR ALARM SYSTEM



## Switches, Contacts, Foil and More

- (1) **Door/Window Switch.** Contacts close as magnet engages. 49-495 ..... 7.99  
 (1) As above, but contacts open as magnet engages. 49-512 ..... 9.95  
 (2) **Spacers.** For use with above on metal doors and uneven surfaces. 49-519 ..... **Pkg of 6/2.49**  
 (3) **Lock Switch With Cover.** Spring-loaded cover, screw terminals. Two keys. 49-515 ..... 9.95  
 (4) **Concealed Magnetic Switch.** Mounts inside door or window frame. 49-496 ..... 8.99  
 (5) **Foil.** Connects to alarm and glass. 36.5m x 0.95cm roll. 49-502 ..... 12.95  
 (6) **Foil/Vibration Contact.** Mount half on window or door, half on frame. 49-518 ..... 9.95  
 (7) **Digital Key Switch.** Programmable secret code arms/disarms system. Ideal panic button. Requires 10-16V DC at 70 mA. 49-535 ..... 44.95  
 (8) **Remote Key Plate.** Red and green LED status indicators, tamper switch. For most keyswitches. 6 and 12VDC. Mounting hardware. 49-524 ..... 14.95  
 (9) **High-Security Round Lock Switch.** Key removes in on or off position. Two keys. 49-511 ..... 19.95

- (9) Similar to 49-511, but with momentary contact. 49-523 ..... 19.95  
 (10) **Mini Magnetic Switch.** Contacts close when magnet engages. 49-497 ..... 8.99  
 (11) **Glass Breakage Detector.** Guards up to 9.75 square metre. For open or closed circuits. 49-516 ..... 17.95  
 (12) **Panic Switch.** Triggers instant alarm. Contacts close when button is pushed. For N.O. circuits. 49-517 ..... 2.99  
 (13) **Contact Switch.** Depress plunger to close contacts. For windows, door frames. With terminals. hardware. 49-513 ..... 2.99  
 (14) **30-metre 2-Conductor Twisted Wire.** For use in making alarm system connections. 22-gauge. 278-860 ..... 11.95  
**Cream 4 Core. 278-9515 ..... metre 49¢**  
**3 pair 278-9516 ..... metre 79¢**  
 (15) **Tamper Switch.** Protects alarm panels, siren, bell boxes. Depress plunger to open contacts. For N.O. loops. 49-528 ..... 2.99  
 (16) **Vibration Detector.** Adjustable sensitivity. For N.C. circuits. 49-521 ..... 6.49  
 (17) **Adhesive Connectors.** 49-504 ..... 3 Pair/4.99



## Light and Sound Security Devices

- (18) **High-Power 2-Sound Siren.** Loud rise-fall or steady sound. Adjustable base. Weatherproof. Requires 6-12VDC at 1 amp. 49-525 ..... 64.95  
 (19) **2-Sound Indoor/Outdoor Siren.** Rise-fall or steady sound. Weatherproof. Requires 12VDC at 1/2 amp. 49-488 ..... 34.95  
 (20) **20.3cm Heavy-Duty Alarm Bell.** For signaling or alarms. Requires 12V DC at 0.6 amp. 49-498 ..... 49.95  
 (21) **2-Sound Indoor Siren.** Super-loud steady or rise-fall. Ceiling/wall-mount. Requires 12VDC at 0.5 amp. 49-529 ..... 27.95  
 (22) **Security Strobe Light.** Helps police or fire department locate your home quickly during emergencies. Weatherproof. 100,000 candlepower strobe is visible even in fog. Requires 12VDC at 0.2 amp. 49-527 ..... 32.95  
 (23) **Warning Decals.** Vinyl adhesive mounts on glass, warns would-be burglars. 49-507 ..... **Pkg of 5/2.99**

## Security Doorphone



**29<sup>95</sup>**

Master station with press-to-talk button, durable substation, 15m connecting cable, fastening screws, staples. Requires 9V cell. 49-9462 ..... 29.95

## Piezo Siren



**24<sup>95</sup>**

■ Ideal for Auto or Security Systems

Extremely loud! Weather-resistant design for outdoor use. Adjustable base. 12V DC 400 mA 105 dB output. Available Jan. 15, 1987. 49-9501 ..... 24.95

## Window/Door Stop

**2<sup>49</sup>**

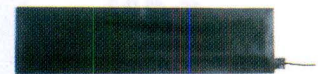
**Halts Burglars!**



Halts opening of sliding windows or doors. Adjusts to any size. 49-540 ..... 2.49

## Pressure Mat

Install Several for Whole House Security



**19<sup>95</sup>**

For use in or outdoors—conceals easily under rug, mat, carpet. For N.O. circuits. 1 amp at 25VDC. 15.2 x 60.9cm. 49-522 ..... 19.95



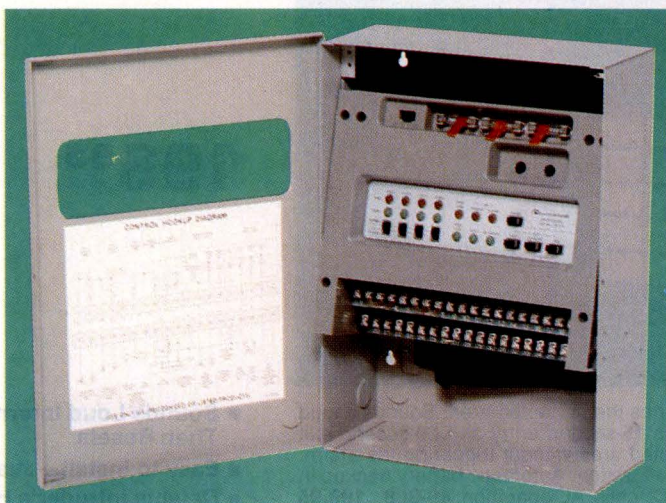
# SAFEHOUSE® 24-HOUR SECURITY PROTECTION

## Burglar and Fire Alarm Centre

NEW  
FOR 87

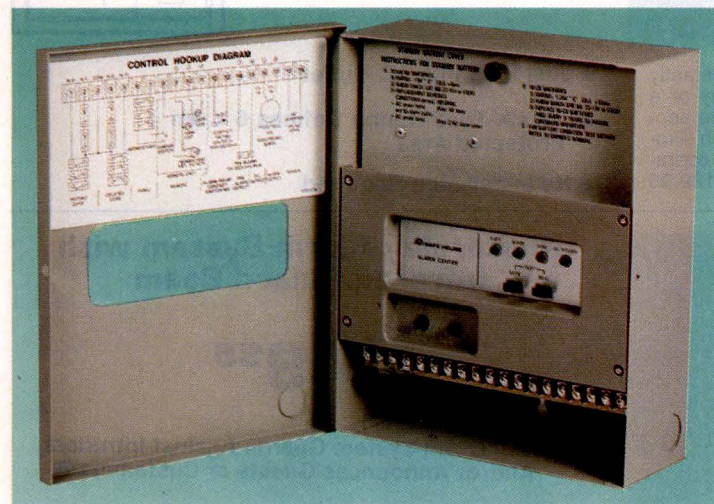
# 299<sup>95</sup>

- Four Alarm Systems in One
- 24-Hour Fire Detection



Protect yourself and your home with this sophisticated, easy-to-install "perimeter" alarm and optional fire detection system. The control unit's four independently operated burglar alarm trigger "loops" are like having four separate alarm systems in one! An independent fire alarm loop stays armed 24 hours to alert you to smoke instantly. An additional 24-hour tamper detection loop can be connected to switches that immediately alert you of tampering. Or hook up a panic button to sound the alarm instantly. Magnetic switches, smoke sensors, mat switches and infrared alarms can be added anytime. Transformer plugs into 240V AC. Battery backup in case of AC failure. Variable entry delay from 0-40 seconds and exit delay from 0-45 seconds. 33 x 24.1 x 9.5cm. AC operation. Backup requires optional 12V rechargeable battery. **49-470** ..... **299.95**  
**12V Rechargeable Battery. 23-9602** ..... **Each 39.95**

## Burglar Alarm Control Unit



# 199<sup>95</sup>

- Around-the-Clock Security
- Add Accessories to Custom Design Your Own System

The same type of system used by professionals! Design your security around alarm bells, sirens, strobes, key locks, vibration and glass-breakage detectors or motion sensors. The system has two alarm "loops" — one instant, one with adjustable 0-45 second entry/exit delays. Add up to ten arm/disarm key switches for entrances. There's even a panic switch circuit that's armed 24 hours. Alarm shuts off after five minutes, then automatically resets. Low-voltage transformer plugs into 240V AC and has automatic battery backup in case of AC failure. Four control panel LED status indicators. Power-on and arm/memory LEDs assure system is armed and working properly. Loop indicator lights when all detectors are in their normal state and show if any window or door is unprotected. Battery and bell test buttons. All-steel control unit, 29.1 x 21 x 9cm. AC operation. Backup requires eight alkaline or 10 rechargeable "C" batteries. **49-450** ..... **199.95**

## Alarm System Package

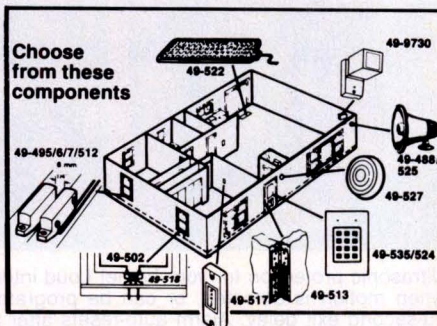


Save \$44<sup>76</sup>  
**\$379**

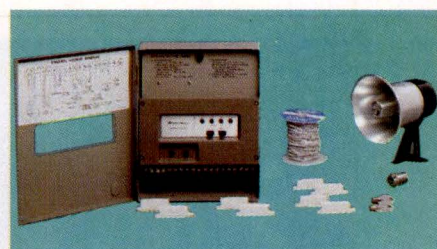
Reg. Separate  
Items 423.76

- (1) Alarm Control Unit, 49-470
- (2) 30m of Wire, 278-860
- (3) Electronic Siren, 49-488
- (4) Digital Key Switch, 49-535
- (5) 4 Magnetic Switches, 49-495

## See Page 122 for Tandy's Accessories Range



## Alarm System Package



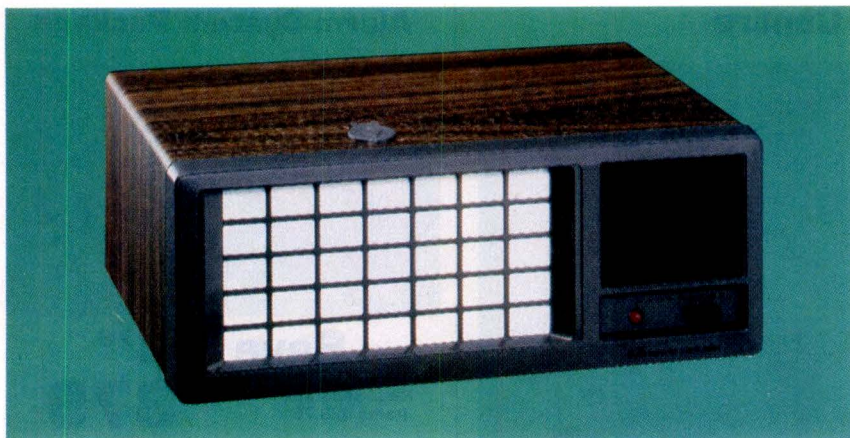
Save \$29<sup>76</sup>  
**\$269**

Reg. Separate  
Items 298.76

- (1) Alarm Control Unit, 49-450
- (2) 30m of Wire, 278-860
- (3) Electronic Siren, 49-488
- (4) Lock and 2 Keys, 49-523
- (5) 4 Magnetic Switches, 49-495



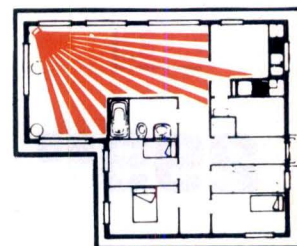
# MOTION-DETECTING ALARM SYSTEMS



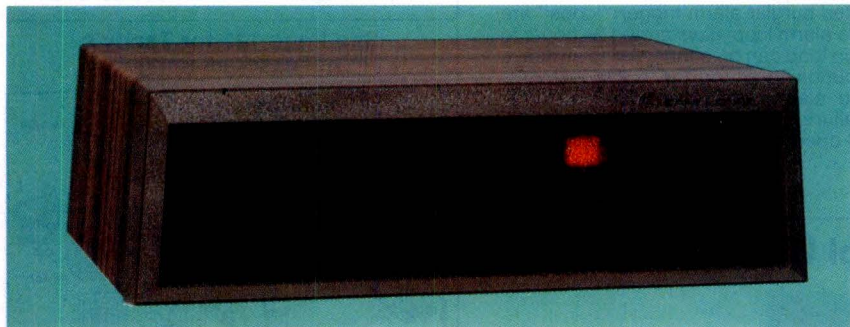
Covers a 6x9m space, and a "walk-test" LED defines the protected area. Sounds a loud built-in alarm that auto-resets after 5 minutes. Has 15-second entry and 20-second exit delay that allows time to enter or leave the protected area without triggering the alarm. Terminals for adding an ext. alarm and remote on/off switch. Automatic battery backup in case power fails. 9.5x26.6x20.9cm. Backup req. 8 "C" cells. AC operation. **49-308 . 199.95**

## Passive Infrared Motion Sensor

**199<sup>95</sup>**



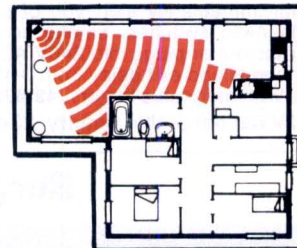
- Sounds Loud Internal Alarm, Then Resets
- Easy to Install—Just Plug Into AC
- Detects Intruder's Heat and Motion



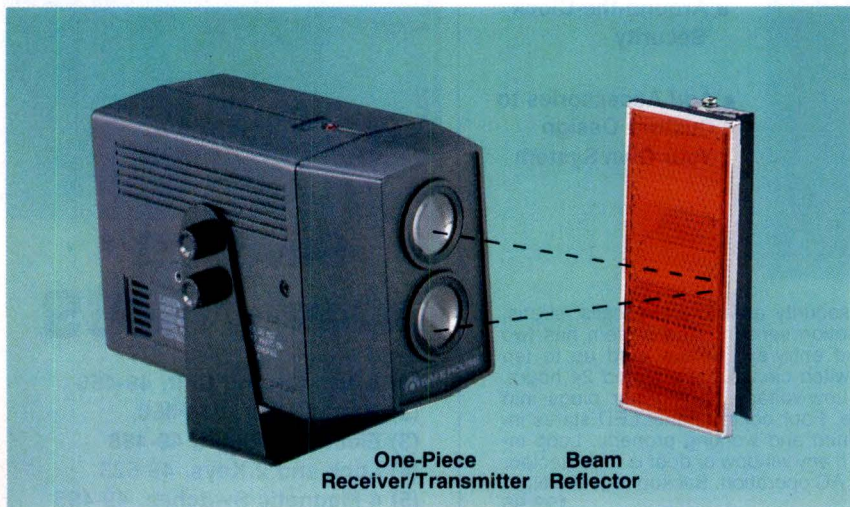
Ultrasonic protection for your home! Loud internal alarm can be set to sound instantly when motion is detected, or can be programmed for a 15-second entry delay or a 20-second exit delay. Alarm auto-resets after 5 minutes of operation. Adjustable sensitivity control, plus terminals for adding an external alarm and remote on/off switch. Provision for battery backup (requires 12V lantern battery). 6.9 x 24.1 x 20.9cm. AC operation. **49-303 . 129.95**

## Ultrasonic Motion-Sensing Alarm

**129<sup>95</sup>**



- Just Plug Into AC Outlet
- "Walk-Test" Lamp Defines 6 x 9m Protected Area
- No Installation Required



One-Piece Receiver/Transmitter      Beam Reflector

## Photorelay Alarm System with Infrared Pulsed Beam

**149<sup>95</sup>**

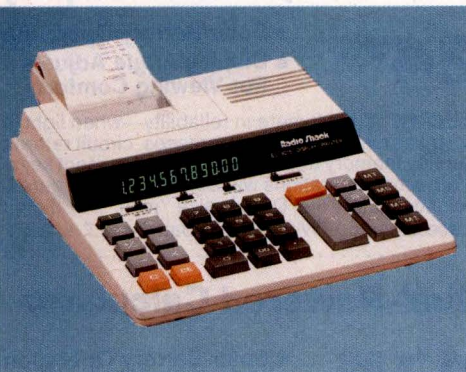
### Pulsed Beam System Guards Against Intruders And/or Announces Guests or Customers

Low-priced protection for home or business. Transmitter projects a beam of pulsed invisible infrared light across a space of up to 15.3cm to the reflector, which reflects it back to the receiver lens. When the beam is interrupted, the built-in alarm is triggered. Alarm can be set to sound momentarily, for 5 minutes with auto-reset, or for 5 seconds. Features LED test alignment indicator, adjustable sensitivity control and built-in buzzer. Has provisions for adding battery backup (requires 12V lantern battery), external 12VDC bell or siren. 10.3 x 7.6 x 18.4cm. Adjustable mounting bracket. AC operation. **49-307 . 149.95**



# BARGAINS IN PRINTING CALCULATORS

## 12-Digit With 2-Color Printing



NEW  
FOR 87

**149<sup>95</sup>**

- Fluorescent Display
- Control for Print, Item-Count Print And Non-Print

**Radio Shack EC-3015.** Shows subtractions in red so you can easily spot them on the permanent printout. Features last-digit correction, 4-key memory, decimal point selector and round-off. Has percent, total, subtotal, double "0", sigma on/off and paper feed keys. Automatically prints commas after every third digit. 5 x 19.6 x 23cm. Includes sample paper roll. AC operation. 65-970 ..... **149.95**

## 10-Digit Fluorescent/Printing



**119<sup>95</sup>**

- Bright Fluorescent Display
- Provides a Printed Record of Your Calculations

**Radio Shack EC-3011.** Replaceable ink roller gives you a clear, permanent printout. Features full 4-key memory, round-off and non-print controls. Decimal selector switch allows you to choose one of four functions, including a floating decimal. Percent, gross profit margin and standard math functions. Oversize "+" key and paper feed key. 4.4 x 17.1 x 24.1cm. With sample paper roll. AC operation. 65-669 ..... **119.95**

## 10-Digit Folding LCD/Printing

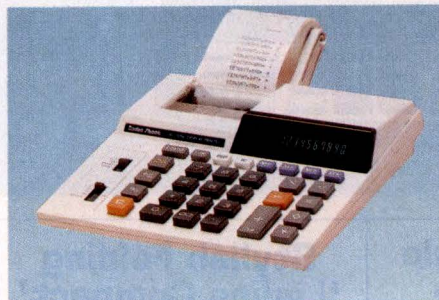


**109<sup>95</sup>**

**Mini-Size—Folds Up To Form Its Own Protective Carry Case**

**Radio Shack EC-3020.** Unfolds for quick figuring, plus a printout. Has 4-key memory, decimal point placement and non-print controls. Percent, standard math functions. 2.9 x 14.9 x 19.7cm. With sample paper roll. Requires 4 "AA" batteries. 65-955 ..... **109.95**  
**AC Adapter.** 274-1454 ..... **9.95**

## 10-Digit With AC/Battery Operation



**89<sup>95</sup>**

- Bright, Easy-to-See Fluorescent Display
- 4-Key Memory

**Radio Shack EC-3014.** Two-way power for calculations anywhere. Features decimal point placement, round-off or cut-off, and non-print controls. Constant entry, percent and repeat memory keys. 4.3 x 18.6 x 23.2cm. AC adapter included (or use 4 "AA" batteries, extra). 65-952 ..... **89.95**

## 10-Digit Hand-Held LCD/Printing



NEW  
FOR 87

**59<sup>95</sup>**

**Fold-Out Holder for Big 2 1/4" Roll Paper**

**Radio Shack EC-3013.** Four-key memory, print/non-print control. 4.1 x 8.9 x 18.1cm. Sample paper roll. Requires 4 "AA" batteries. 65-953 ..... **59.95**  
**AC Adapter.** 273-1454 ..... **9.95**

## Calculator Paper



**Plain—For all Radio Shack Models.**

**57mm Roll With Core.** Fits 65-952/965, 669/970. 65-710 ..... **3-Pack 5.99**  
**38mm Roll With Core.** Fits 65-666, 65-712 ..... **3-Pack 2.99**  
**38mm Roll Coreless.** Fits 65-951/955, 65-713 ..... **3-Pack 2.29**

**Thermal—For Early Models**

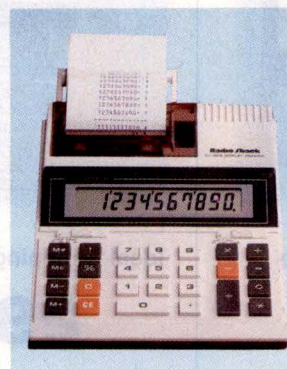
**57mm With Core.** Fits 65-643/644/645/646. 65-706 ..... **3-Pack 6.99**  
**38mm With Core.** Fits 65-647, 65-708 ..... **3-Pack 2.99**  
**38mm With Core.** Fits 65-649, 65-709 ..... **2.99**  
**38mm Coreless.** Fits 65-665, 65-711 ..... **5-Pack 3.99**

## Mini Desktop LCD/Printing Calculator

NEW  
FOR 87

**69<sup>95</sup>**

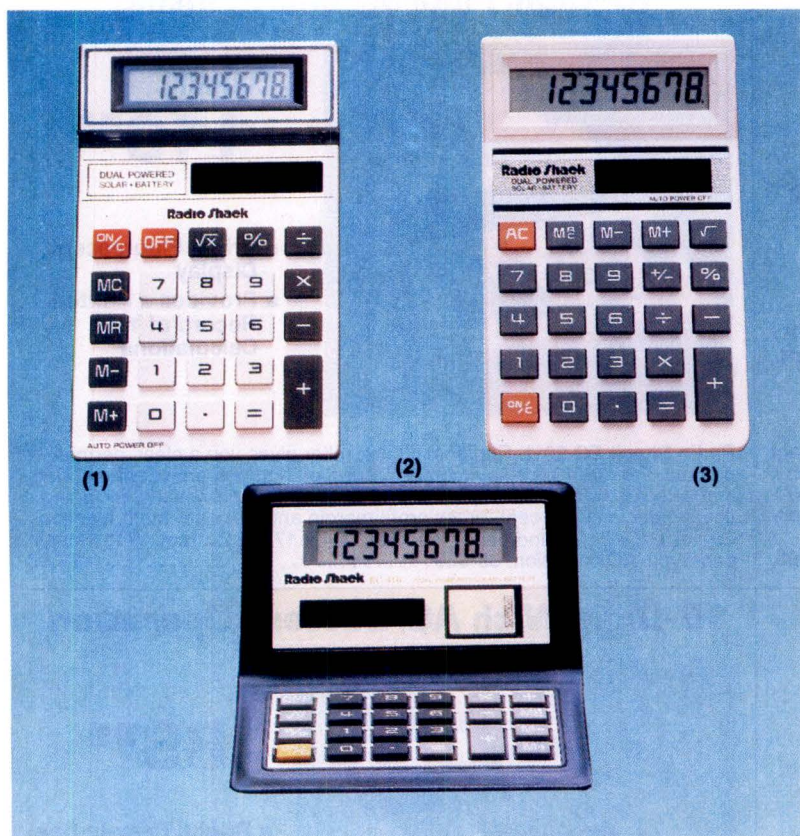
- 10-Digit Display
- 4-Key Memory



**Radio Shack EC-2009.** Features auto-constant, decimal placement, percent, subtotal, total and paper feed keys. Requires 4 "AA" batteries. 65-965 ..... **69.95**  
**AC Adapter.** 273-1454 ..... **9.95**



# SOLAR POWER & BATTERY POWER CALCULATORS



## Dual Powered & Adjustable Display

NEW  
FOR 87

**24<sup>95</sup>**

- Solar/Battery Operation
- Display Angle Adjusts For Viewing Comfort

(1) **Radio Shack EC-417.** The ultimate in reliability—when light is too dim, the battery takes over; when light increases, circuit returns to solar power. Four-key memory and square root and percent keys. Auto-constant for repeating operations without re-entering figures. Auto power-off prolongs battery life. Double size "plus" key. 8-digit display. Billfold case included. With 23-106 battery. 0.7 x 2.8 x 11.7cm. 65-562 ..... **24.95**

## Folding Dual-Powered Calculator

NEW  
FOR 87

**17<sup>95</sup>**

- Solar/Battery Operation
- 3-Key Memory

(2) **Radio Shack EC-416.** Small on size but big on answers—anywhere, under any light conditions. Square root and percent keys. Auto-constant. Double size "plus" key for quick addition. Auto power-off. 8-Digit display. With 23-101 battery. 1.4 x 11.4 x 6.8cm. 65-561 ..... **17.95**

## Dual-Powered Calculator

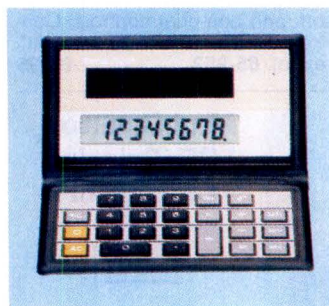
NEW  
FOR 87

**12<sup>95</sup>**

- Solar/Battery Operation With Automatic Switching

(3) **Radio Shack EC-414.** Features three-key memory. Percent, sign-change, markup keys. Auto-constant to repeat operations. Three digit commas on display and continuous memory. Double size "plus" key. 8-Digit display. With 23-101 battery. 1.9 x 6.8 x 11.4cm 65-560 ..... **12.95**

## Horizontal-Style Folding Solar

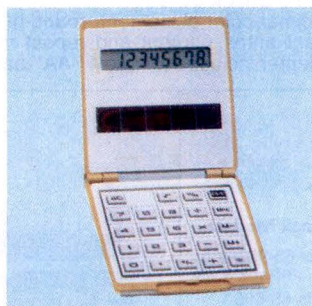


Pocket or Purse Size

**34<sup>95</sup>**

**Radio Shack EC-409.** Lightweight, extra-large keys and display, 3-key memory, auto-constant, +/- sign change. Square root, percent keys. 8-Digit display. 1.4 x 7.2 x 12.5cm. 65-907 ..... **34.95**

## Stylish Folding 'Ladies Compact'

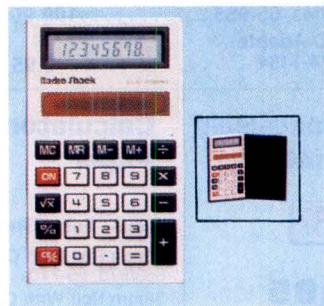


Ideal Shopping Companion

**29<sup>95</sup>**

**Radio Shack EC-404.** Fits easily in any purse. 3-Key memory auto-constant, +/- sign change, square root, percent keys. 8-Digit display. 6.7 x 6.4 x 1.0cm. 65-902 ..... **29.95**

## Deluxe Full-Size Solar Calculator



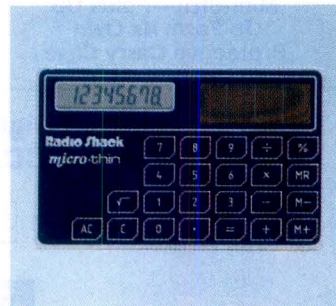
Ideal for the Student

NEW  
FOR 87

**14<sup>95</sup>**

**Radio Shack EC-440.** Works under almost any light. Four key memory, square root and percent keys, auto-constant. 8-Digit display. Billfold case. 0.6 x 6.5 x 11.1cm. 65-851 ..... **14.95**

## Micro-Thin™ Credit-Card Size



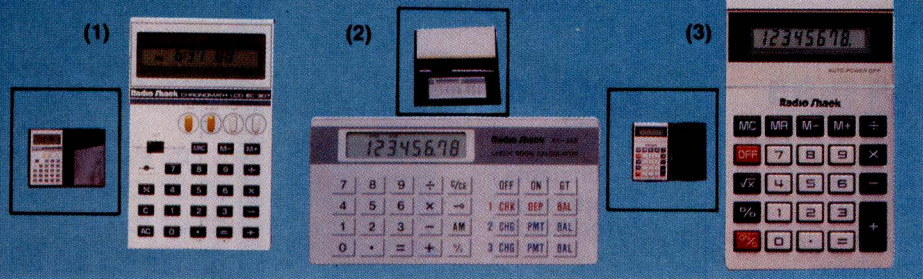
Touch-Sensitive — No Bulky Keys

**19<sup>95</sup>**

**Radio Shack EC-804.** Only 0.2cm thick. Fits in credit card holder in "coatstyle" wallet or purse. With 3-key memory, auto-constant, square root and percent keys. 8-Digit LCD display. 5.4 x 8.6 x 0.16cm. 65-906 ..... **19.95**



# CALCULATORS FOR SPECIAL APPLICATIONS



## Alarm Clock/Stopwatch Calculator

**34<sup>95</sup>**

(1) **Radio Shack EC-307.** Clock displays hours/minutes/seconds with p.m. and alarm-on indicators. Stopwatch has lap and total time. Calculator with 3-key memory and auto-constant and percent keys. 8-digit display. Billfold case. 9.4 x 2.4 x 0.6cm. With 23-161 battery. **65-691** . . . . . **34.95**

## Mity-Thin® Checkbook Calculator

NEW FOR 87

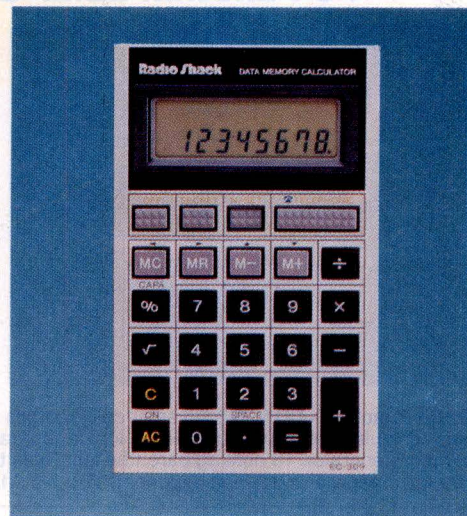
**21<sup>95</sup>**

(2) **Radio Shack EC-308.** Features deposit, check, charge, payment and balance keys. Memories for checking and credit card balances. "Key" lock security code. Auto-constant, percent key. Folding case. 8-digit display. 15.3 x 7.3 x 0.6cm. With 23-107 batteries. **65-996** . . . . . **21.95**

## Famous Pocket STATESMAN-THIN®

**11<sup>95</sup>**

(3) **Radio Shack EC-278.** Four-key memory, auto-constant, double-size "plus" key. Square root, percent keys. Auto-power off. 8-digit. Billfold case. 10.5 x 6.7 x 0.6cm. With 23-116 battery. **65-581** . . . . . **11.95**



## Data Memory Pocket Calculator

NEW FOR 87

**24<sup>95</sup>**

A New Era in Calculators

**Radio Shack EC-309.** A data bank that you can take anywhere! Its memory can store your credit and bank card numbers, important telephone numbers and other information. Stores and recalls up to 20 items of 6 alphabetic characters and 12 numbers per item. Easy to use—select the function and the number of the stored data—the item is then displayed. Contents can be edited. Four-key memory, percent, square root and space keys. Double size "plus" key for easy operation. Billfold case. With 23-160 battery. 10.9 x 6.8 x 0.6cm. **65-994** . . . . . **24.95**

## Combination Ruler/Calculator/Clock

**17<sup>95</sup>**

**Radio Shack EC-325.** No desk should be without one! Three-key memory, auto-constant, percent key. 8-digit display with separate time display. Metric conversion chart. With 23-101, 23-102 batteries. 0.6 x 31.1 x 5.0cm. **65-551** . . . . . **17.95**

## 10-Digit Desktop Calculator

**49<sup>95</sup>**

- Fluorescent Display
- Gross Profit Margin Key
- 4 Special-Function Keys
- Exchange Calculation

## 8-Digit Solar Mini Desktop

**21<sup>95</sup>**

- Space-Saving Design
- Full Floating Decimal
- Works in Almost Light

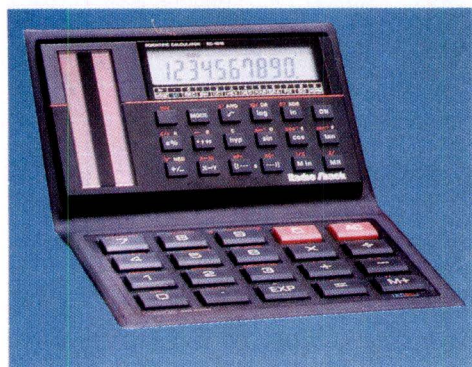
**Radio Shack EC-2010.** A must for every retailer or wholesale buyer. Four-key memory batteries, percent keys and item-count keys. With manual. Requires 2 "D" batteries. 4.1 x 16.8 x 13.2cm. **65-960** . . . . . **49.95**  
**AC Adapter.** 273-1454 . . . . . **9.95**

**Radio Shack EC-2006.** 3-key memory stores figures for multiple use. With percent and square root keys.  $\pm$  sign change key. 12.1 x 12.1 x 3.8cm. **65-962** . . . . . **21.95**



# LCD CALCULATORS FOR SCIENTIFIC PROBLEMS

## 76-Function Solar Scientific



**Radio Shack EC-4018.** Silicon solar cell provides the power needed to do base calculations, conversions and logical operations. Memory, random number generator, 18 nesting parentheses. Uses true algebraic logic. Has 10-digit mantissa and 2-digit exponent. 12 x 7.9 x 1.2cm. **65-982... 49.95**

NEW FOR 87

**49<sup>95</sup>**

- Never Needs Batteries
- Nine Physical Constants
- Folding Horizontal Style

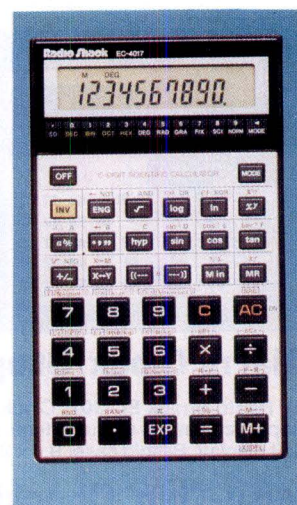
## 79-Function Scientific Calculator

**49<sup>95</sup>**

- 9 Constants
- Overflow or Error Check

**Radio Shack EC-4017.** A lot of calculating power! DEG/RAD/GRA switch, random number generator and 18 nesting parentheses. Memory retention and engineering function. Has a 10-digit mantissa and 2-digit exponent. Auto power-off. With 23-161 battery. 14.1 x 8.4 x 0.9cm. **65-981... 49.95**

Billfold Case

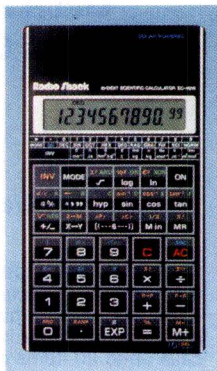


## 76-Function Solar Scientific

**47<sup>95</sup>**

- Works from Room Light
- 9 Physical Constants

Carry Pouch



**Radio Shack EC-4016.** Perfect for advanced math students and professionals. Base calculations, conversions and logic operations. Memory, random number generator, 18 nesting parentheses. Uses true algebraic logic. 10-digit mantissa and 2-digit exponent. 12.4 x 7 x 0.3cm. Comprehensive manual included. **65-980... 47.95**

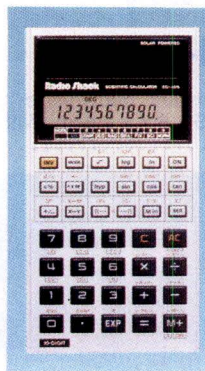
## 51-Function Solar Scientific

NEW FOR 87

**44<sup>95</sup>**

- Easy-to-Read Display
- Inverse Key
- Random Number Generator

Billfold Case

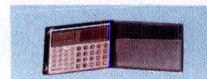


**Radio Shack EC-4015.** Calculate wherever there's light! Performs permutations and combinations, standard deviations, 18 nesting parentheses. Overflow or error check, 8-digit mantissa, 2-digit exponent. 12.7 x 6.9 x 0.8cm. **65-938... 44.95**

## Card-Size 42-Function Solar

**39<sup>95</sup>**

Card Case



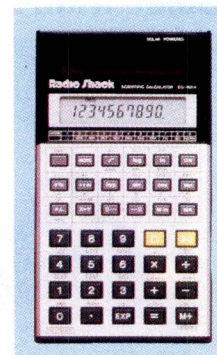
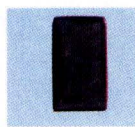
**Radio Shack EC-4009.** Credit-card size, yet it does calculations in statistics, standard deviations. Six levels of parentheses, Pi, degree, radian, gradient, exponent keys, decimal/fraction conversion. 8-digit mantissa, 2-digit exponent. 6.0 x 9.2 x 0.6cm. **65-927... 39.95**

## 67-Function Solar Scientific

**39<sup>95</sup>**

9 Levels of Parentheses

Carry Pouch



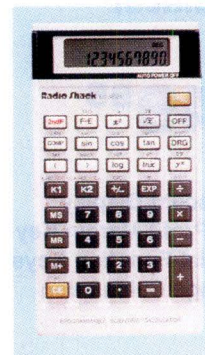
**Radio Shack EC-4014.** Quick problem solver! Keys for random number generator, binary, octal, hexadecimal calculations, plus permutations and standard deviations. Has a 10-digit mantissa and 2-digit exponent. 13.5 x 7.6 x 1.4cm. **65-979... 39.95**

## 46-Function Scientific

**29<sup>95</sup>**

NEW FOR 87

Billfold Case



**Radio Shack EC-4021.** Forty-step programming. Six levels of parentheses. One independent, 2 constant memories. Has 8-digit mantissa, 2-digit exponent. With 23-115 batteries. 13.9 x 7.5 x 2.4cm. **65-984... 29.95**

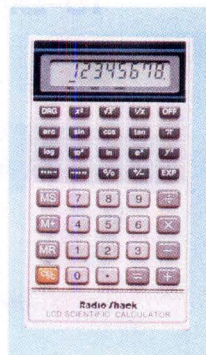
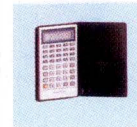
## Super-Value Scientific

NEW LOW PRICE!

**19<sup>95</sup>**

Was 21.95 in 1986 Catalogue

Billfold Case



**Radio Shack EC-4008.** Forty single-function keys, independent memory. Auto-constant, degree, radian, gradient switch. Five-digit mantissa. With 23-115 batteries. 11.1 x 6.4 x 0.7cm. **65-977... 19.95**



# SPECIALTY AND PROGRAMMABLE CALCULATORS

## 98-Function Solar Scientific



- Works in Almost Any Light
- Dual Keyboards

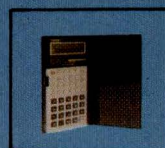
**59<sup>95</sup>**

**Radio Shack EC-4013.** Separate keyboards for binary, octal, and hexadecimal calculations/conversions and logical operations. With 13 special physical constants and 16 metric conversion functions. Has a 10-digit mantissa and 2-digit exponent. 12.7 x 7.9 x 0.8cm. 65-930 . . . . . **59.95**

## Programmable Scientific Calculators



(1)



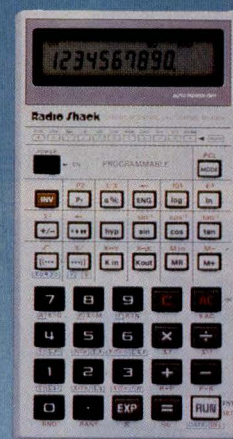
**89<sup>95</sup>**

**Perform Complex, Multi-Level Mathematical Functions for Problems in Science, Engineering, Statistics and More**

**(1) Radio Shack EC-4020.** Choose from 26 separate memories with 550-step programming to 94 memories with 6-step programming. Features 83 built-in functions. With 10-digit mantissa and 2-digit exponent. Alphabetic dot-matrix display. True algebraic logic, perfect entry system, base calculations/conversions, logic operations, replay function. 13.2 x 7 x .95cm. With batteries, manual. 65-985 . . . . **89.95**



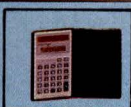
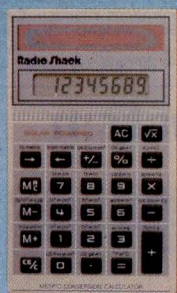
(2)



**49<sup>95</sup>**

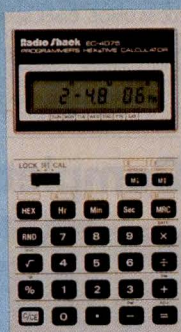
**(2) Radio Shack EC-4004.** Features 7 memories, 38-step programming, 61 functions. 13.3 x 7.3 x .64cm. With batteries, manual. 65-658 . . . . . **49.95**

## Great Values in LCD Calculators for Special Applications



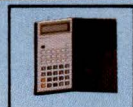
Solar Metric

**24<sup>95</sup>**



Hex/Time

**39<sup>95</sup>**



Financial

**49<sup>95</sup>**

### Solar Pocket Metric Conversion

**Radio Shack EC-316.** Never needs batteries! Converts from standard to metric, or reverse. Features 3-key memory, auto-constant, +/− sign change, square root, percent key. Billfold case. 8-digit display. 10.3 x 7.5 x 0.6cm. 65-926 . . . . . **24.95**

### Hexadecimal/Time Conversion

**Radio Shack EC-4075.** Performs hexadecimal/decimal conversions/calculations, time conversions. Clock has time indications, alarm, four stop-watch functions and countdown timer. Auto-constant. 3-key memory, square root and percent keys. Requires 2 "AA" batteries. 13.2 x 7.5 x 0.2cm. 65-990 . . . . . **39.95**

### Calculator for Financial Work

**Radio Shack EC-4051.** Operations include compound interest, loan schedules, annual payments, bonus plans and date calculations. Auto power-off, auto-constant, +/− change and percent keys. 10-digit display. With manual, 23-161 battery. 13.3 x 7.1 x 0.8cm. 65-995 . . . . . **49.95**

### Calculator Desk Stand

**3<sup>99</sup> Adjustable Angle**

Adapts handheld calculators for desktop use. Non-slip feet keep it in place. Durable moulded construction. 65-705 . . . . . **3.99**





# AFFORDABLE TANDY PORTABLE COMPUTERS

## Tandy 200 Portable Computer

**\$1399**

- Six Built-In Programs, Plus Alarm and Calculator
- Highly Legible Display

**Tandy 200.** A powerful battery or AC-powered problem solver. For complex spreadsheet analysis and calculations, you'll find the large, easy to read flip-up display and the built-in Multiplan software are indispensable. Five other "instant-on" programs include a more powerful version of the Tandy 102's word processing program. You also can use your Tandy 200 as an electronic appointment calendar with alarm, address/phone directory and RS232C interface. And you can write your own programs using the built-in BASIC. **26-3860 ..... 1399.00**

**SPECIFICATIONS.** Microprocessor: 8-bit 80C85 CMOS. Clock Speed: 2.4 MHz. Memory: 72K ROM, expandable to 104K; 24K RAM, expandable to 72K in banks of 24K. Keyboard: Full-sized 56-key typewriter-style with embedded data pad, plus 8 programmable function keys. Display: 40 x 16 liquid crystal display, upper and lower case ASCII characters, 240 x 128 dot-matrix graphics. Input/output: Parallel printer interface. RS-232C serial communications interface. Cassette tape interface. Standard bar-code reader interface. Dimensions: 5.5 x 29.8 x 21.6cm. Weight: 2kg. Power Supply: Operations — Up to 16 hours on 4 "AA" alkaline batteries, and can use nickel-cadmium rechargeable batteries with minor additional-cost modification. Optional AC/DC charger/adaptor available. Memory—Internal rechargeable nickel-cadmium batteries will retain memory for up to 15 days with power off.

## Slimline Tandy 102 Portable

**NEW FOR 87**

**\$999**

- New, Slimmer Case
- Five Built-In Programs
- Full-Size Keyboard

**Tandy 102.** The slim, lightweight Tandy 102 is a Micro Executive Workstation™ that's ideal for business people and students. Plus, the Tandy 102 features five instant-on programs, a 40 x 8 display and a RS-232C — all built-in. Use Tandy 102 as a personal word processor, address/phone directory, appointment calendar. Access other computers or national information services by phone with the built-in communications program and optional modem. You can even write your own programs in BASIC. Includes parallel, RS-232C, cassette and bar code reader interfaces. Only 1.8kg. **26-3803 ..... 999.00**

**SPECIFICATIONS:** Microprocessor: 8-bit 80C85 CMOS. Clock Speed: 2.4 MHz. Memory: 32K ROM; 24K RAM, expandable to 32K. Keyboard: Full-size 56-key typewriter-style with embedded 10-key datapad, plus 8 programmable function keys. Display: 40 x 8 Liquid Crystal Display, upper and lower case ASCII characters. 240 x 64 dot-matrix graphics. Input/output: Parallel printer interface. RS-232C serial communications interface. Cassette tape interface. Standard bar-code reader interface. Dimensions: 3.8 x 30 x 21.5cm. Weight: 1.36kg. Power Supply: Operations — Up to 20 hours on 4 "AA" alkaline batteries or optional AC power supply. Memory — Internal rechargeable nickel-cadmium batteries will maintain memory intact for up to 30 days with power off.

## Accessories Turn Your Portable Into a Complete System

- (1) **Bar Code Wand.** Ideal for inventory control, billing and couponing. Software drivers callable from BASIC, allow you to read Universal Product Code, 3 of 9, Plessey and other formats. Plugs directly into any Tandy 200 or Model 100 for instant use. **26-1183 ..... 179.95**
- (2) **Portable 8.89cm Floppy Disk Drive.** Add portable disk storage to your Model 100. Fast access to 100K of data on 8.89cm floppies. Initialization software included. Weighs just 793g. Measures 5.8 x 12.45 x 15.75cm. Requires four "AA" batteries or AC adapter (not included). **26-3808 ..... 399.95**
- AC Adapter.** **26-3804 ..... 19.95**
- (3) **Printer Cable.** Flat, durable cable for connecting your printer to your Tandy 200 or Model 100. **26-1409 ..... 29.95**
- (4) **Model 100 8K RAM Upgrade.** Requires installation. (not included). **26-3816 ..... 139.95**
- (5) **Tandy 102 8K RAM Upgrade.** Requires installation. (not included). **26-3817 ..... 199.95**
- (6) **Tandy 200 24K RAM Upgrade.** Requires installation (not included). **26-3866 ..... 399.95**





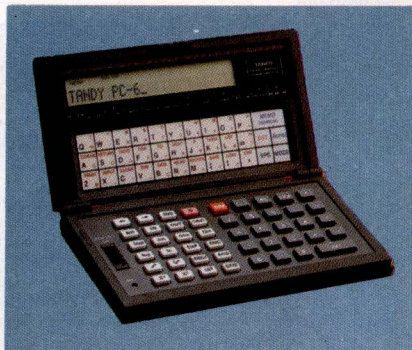
# POCKET COMPUTERS & ACCESSORIES

## Handy New PC-6 Pocket Computer

NEW  
FOR 87

# 199<sup>95</sup>

- 65 Built-In Scientific Functions
- Programs in BASIC and Assembly Language
- Ideal for Engineers And Students



**PC-6 Pocket Computer.** The PC-6 combines the best features of a powerful scientific calculator and a programmable pocket computer. Performs up to 65 built-in scientific calculations—or write your own programs in BASIC or Assembly Language. Retains programs and data even when power is turned off. Features an easy-to-read, 24 character LCD. Uses PC-4 Cassette Interface and Printer with PC-6 Cable (all sold separately). 8K RAM. Folds up to 1 x 14.2 x 14.2cm. Includes batteries. **26-3672 . . . . . 199.95**

**PC-6 Interface Cable.** 26-3671 . . . . . **29.95**

**NEW! 8K RAM Module.** Increases memory to 16K. 26-3674 . . . . **39.95**

## Expand Your PC-4/6 System Easily



# 59<sup>95</sup>

(1) **Cassette Interface Lets You Use an Optional Recorder**

# 149<sup>95</sup>

(2) **PC-4 Printer Completes the System!**

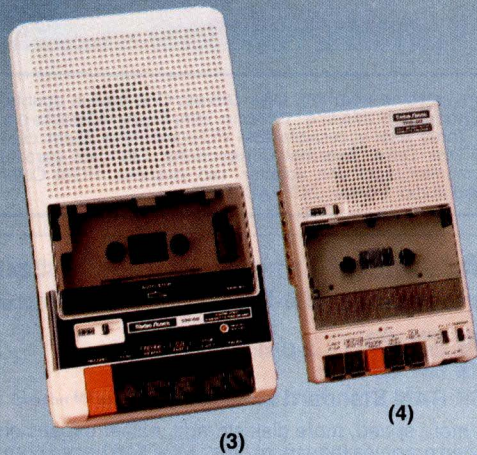


(1) **PC-4/6 Cassette Interface.** Load software and store programs and data on cassette tapes. Requires two "AA" alkaline batteries. **26-3651 . . . 59.95**

(2) **PC-4/6 Printer.** Prints 20 characters per line. **26-3652 . . . . . 149.95**

**PC-4/6 Thermal Paper.** 3.8cm wide. **65-711 . . . . . Pkg. 5/3.99**

## Tandy Computer Cassette Recorders



CCR-81 Recorder

CCR-82 Recorder

# 89<sup>95</sup>

# 79<sup>95</sup>

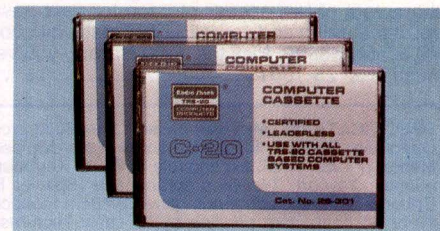
A "Must" for Our Tape-Based Computers

(3) **CCR-81.** Ideal for loading and saving your own programs and data on cassette tapes. Battery/Record LED indicator. Includes cable. 240V AC operation or four "C" batteries (not included).

**26-1208 . . . . . 89.95**

(4) **CCR-82.** Our smallest and lowest-priced Computer Cassette Recorder! Features volume control with preset marker. Includes cable. Requires four "AA" batteries or AC adapter (not included). **26-1209 . . . . . 79.95**

## Computer Cassettes



# 5<sup>95</sup>

Quantity	C-20 (Each)
1-11	5.95
12-23	5.45
24-47	4.99
48-Up	4.79

Our certified cassettes deliver error-free data recording for tape-based computer storage systems. Each quality data storage tape is free from defects and is in a hinged plastic box for protection.

**C-20 Tape. 26-301 . . . . . 5.95**

## Expand Your 100/102/200 Portable With Applications

**Bar Code Writer.** (1) Takes input from TEXT files and produces bar codes. Requires 24K, a cassette recorder, printer and cable. **26-3845 . . . . . 59.95**

**Tandy Code Read/Write.** (1) Generates and reads modified NATI code. Requires 24K, cassette recorder, printer, cable and bar code wand. **26-3847 . . . . . 59.95**

**SCRIPSIT® 100.** (1) Turns your Model 100/102 into a true word processor with far more power and features than TEXT. Features advanced formatting compatibilities. Requires cassette recorder. **26-3830 . . . . . 69.95**

**Starblaze 100.** (1) An action-packed game! Destroy the alien ships. **26-3840 . . . 34.95**

**Project Scheduler.** (2) Divide a large job into individual tasks. **26-3893 . . . . . 79.95**

**Multiplan.** (1) A ROM version of the popular Multiplan spreadsheet analysis program. **26-3829 . . . . . 269.95**

**Text Power 200.** (2) Turns your Tandy 200 into a true word processor with far more power and features than the TEXT function. Includes advanced formatting capabilities and print features. Requires cassette recorder. **26-3881 . . . . . 79.95**

**Data Manager.** (2) A personal filing system, which can easily store, examine and list a wide variety of information. Each record can have up to 20 fields. Reports can be formatted to list all or selected records. Sort in ascending or descending order. Requires a cassette recorder. **26-3886 . . . . . 79.95**

**Romulus Chess.** (2) Choose from seven playing levels. Reset the board at any stage or take back a move. Requires a cassette recorder. **26-3890 . . . . . 45.95**

Interactive Solutions, Multi Solutions and Data Manager/ TM DCM Data Products. Text Power/TM Hugo Ferreyra. Microsoft Word and Multiplan/TM Microsoft Corp.

(1) Model 100/Tandy 102. (2) Tandy 200.



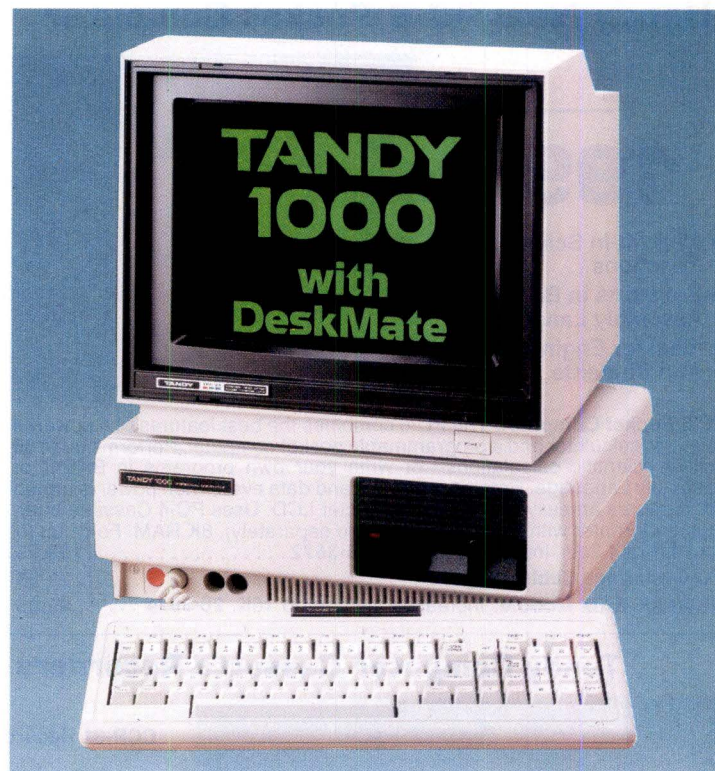
# CHOOSE A TANDY BUSINESS COMPUTER

**Tandy 1000 Gives You More Features than  
An IBM® PC For Much Less, Plus  
DeskMate™ Software at No Charge**

**\$1999** Less Monitor

**Tandy 1000.** In price and performance, it's only natural to compare the Tandy 1000 with IBM's PC. After all, both let you choose from an astounding collection of MS-DOS programs. Buying an IBM PC, however, is like getting only half a machine. You'll also need to purchase adapters to use a monitor, printer, joysticks and light pen. The Tandy 1000 includes these adapters, as well as such "extras" as a disk operating system and BASIC. And unlike IBM's PC, every Tandy 1000 comes with applications software. We call it DeskMate, and it features the applications today's computer-user wants most. The Tandy 1000 comes with 128K RAM, expandable to 640K. Monochrome and color graphics adapters are built right in for easy hookup to a monitor. There's also a three-voice sound circuit, plus a built-in speaker for sophisticated sound and music generation. Whatever your applications needs, the Tandy 1000 is the personal computer for you. Because the Tandy 1000 is IBM PC-compatible, an enormous selection of programs is already available. DeskMate software, easy user expansion and superb graphics make the Tandy 1000 Clearly Superior! **25-1000 ..... \$1999.00**

**Tandy 1000 HD.** Now you can get a high-capacity business computer at a price lower than you ever dreamed. The Tandy 1000 HD comes with 256K memory and a built-in ten-megabyte hard disk drive. That's 10 million characters of fast-access storage for data base processing, inventory control, accounting and payroll — any of the big jobs. Best of all, the Tandy 1000 HD is only \$3999. Pick the 1000 HD and you've got a superior system — for much less. **25-1001 ..... \$3999.00**



**SPECIFICATIONS. Microprocessor:** Intel 8088 processor. Clock speed, 4.77 MHz. **Operating System:** Includes Microsoft's advanced MS-DOS 2.11 with BASIC. **Memory:** 128K RAM, expandable to 640K. **Keyboard:** 90-key sculptured, including numeric keypad. Twelve programmable Special Function keys. **Video Display:** Optional high-resolution, non-glare 30.48cm monochrome (green) or color monitor. 80 or 40 characters per line by 25 lines. High-resolution monochrome and color

graphics (displaying 8 colors selected from 16). **Disk Drives:** One built-in double-sided, double-density, 360K (formatted) thin-line 13.34cm mini-floppy, 48 tracks per inch. **Internal Expansion:** Three user-accessible IBM PC-compatible 25cm card slots, second 360K Floppy Disk Drive. **External Connections:** Standard parallel printer port, monochrome monitor, light pen adapter, two joysticks, RGBI Color Monitor, composite video and audio. **Power:** 240 VAC, 50 Hz.



## Step Up to The Advanced Tandy® 2000 System The Ultra-High Performance MS-DOS Based Computer

**\$4450** 2-Disk Tandy 2000

■ Now Includes 256K RAM Standard Monitor and Digi-Mouse™ not incl.

**Tandy 2000.** Gives you more speed, more disk storage, easier expansion options and more advanced graphics than most other MS-DOS based computers. A "next-generation" 16-bit microprocessor makes it over twice as fast as the IBM PC. Two floppy disk drives store 720K per drive. Or choose the Tandy 2000 HD with a built-in 10-megabyte hard disk drive. MS-DOS lets you use the most advanced software on the market. Expand with more memory (up to 768K), stunning high-resolution (640 x 400 pixel) monochrome or color graphics, and more.

**256K 2-Disk Tandy 2000. 26-5103 ..... \$4450.00**

**VM-1 Monochrome Monitor. 26-5111 ..... \$349.00**

**CM-1 Color Monitor.** Requires graphics option (26-5140).

**26-5112 ..... \$1149.00**

**High-Resolution Monochrome Graphics. 26-5140 ..... \$699.00**

**High-Resolution Color Graphics Kit.** Requires graphics option (26-5140).

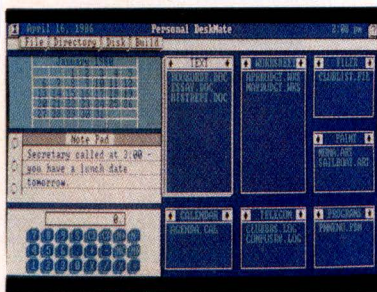
**26-5141 ..... \$349.00**

**SPECIFICATIONS. Microprocessor:** Intel 80186 processor with 16-bit data path. Clock speed 8 MHz. **Operating System:** Includes advanced MS-DOS 2.11 with BASIC. **Memory:** 256K RAM (expandable to 768K). **Disk Drives:** Two built-in double-sided, double-density thin-line 13.34cm mini-floppies, with 720K per drive. **Internal Expansion:** Four user-accessible card slots. **External Connections:** Standard parallel port, RS-232C serial communications port, monochrome monitor, AC outlet. **Power Requirements:** 240VAC, 50 HZ.



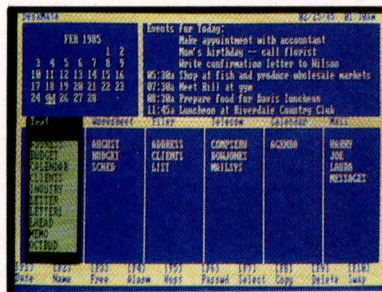
# POWERFUL TANDY 1000 SOFTWARE

## Every Tandy 1000 Comes with Its Own DeskMate® Software



### Personal DeskMate

- Included with the Tandy 1000 EX
- Features a Highly Graphic Screen Presentation for Ease of Operation, Plus Special Accessories for More Power Than Ever



### DeskMate II

- Included with Every Tandy 1000 SX
- Six Applications: Text Processing, Spreadsheet Analysis, Electronic Filing, Calendar/Alarm, Telecommunications and Electronic Mail

**NEW! Personal DeskMate.** Every Tandy 1000 EX comes with this powerful new graphics-oriented version of DeskMate. Personal DeskMate is amazingly easy to use, with pull-down menus and "dialogue boxes" for selecting functions. For the ultimate in convenience, you can use Personal DeskMate with an optional Digi-Mouse. Choose from important applications like TEXT, WORKSHEET and FILER. PAINT, a graphic picture editor, lets you create drawings and designs. There's also a CALENDAR and TELECOM communications. Special functions like a PHONE DIRECTORY, CALCULATOR and NOTEPAD may be accessed any time.

DeskMate communications and electronic mail require optional modem.

**NEW! DeskMate II.** Put your Tandy 1000 SX to work with the applications today's user wants most. Each day you'll be greeted by a menu that displays a calendar, appointment schedule and a list of each file stored for every function. DeskMate II's special backgrounding feature lets you exit DeskMate, enter an applications program, then return to DeskMate—all with just a few keystrokes. DeskMate II is extremely user friendly.

**DeskMate for the Tandy 2000.** Has all the features as DeskMate II with the exception of the special backgrounding feature. **26-5316 ..... 199.95**

## Tandy 1000 Personal Productivity Programs

### Data Base Management

**dBASE II.** Custom design your own information system! Permits easy manipulation of data bases using English-like commands. You can quickly create a full business system that will grow with you. Full-screen editing. Requires 256K. **26-5352 ..... 799.95**

**Friday!** A simplified filing system that anyone in your office can learn quickly. Great for invoices, inventories, paycheques, sales and commissions records, quick summaries, custom reports, mailing labels and more. Standard or personalised formats. **25-1149 ..... 599.95**

### Spreadsheet Analysis

**Multiplan Spreadsheet Analysis.** An incredibly easy-to-use decision-making tool. Ideal for profit-and-loss projections, budgeting and sales forecasts. This popular "second-generation" spreadsheet lets you consolidate related worksheets so that information is transferred between them automatically. You can assign plain-English names to any column, cell or area, vary individual column widths, center numbers and text within a column or numerical order. Cells can be set up individually, by row, column, block—or globally. Displays up to eight windows on the screen. Includes on-line help and a tutorial manual. **25-1152 ..... 399.95**

### Popular Lotus 1-2-3

**Integrated Software Combines Spreadsheet Analysis, Graphics and Data Base Management**

**Lotus 1-2-3.** One of the most widely used integrated packages in the world. 1-2-3 makes it easy to go from spreadsheet to graphics to information management — instantly! You can change your spreadsheet data directly and graph it in seconds. Also take data from your spreadsheet and search and sort it in any order. No disk-swapping or re-entering of data. Special "macro" keys let you substitute a single keystroke for a long sequence. Requires 256K. **25-1145 ..... 899.95**

### The Integrated pfs: Series of Programs

Choose from this family of flexible, easy-to-use software. Programs can interact with each other, so you only need to enter data once. Use them separately or together—learning one makes it easy to learn the others.

**pfs:write.** Easily create reports, letters and memos with advanced editing features and page headings and footers, centered text, right or left justification and more. The monitor displays boldface and underlined text. Best of all, **pfs:write** can use information stored in **pfs:file** to create personalized form letters and even address the envelopes. Documents also can be illustrated with spreadsheets from **pfs:plan**. **25-1142 ..... 199.95**

**pfs:file.** A very simple way to create and organize your own personalized business or personal filing system. You decide how your records are to appear by simply organizing information on "forms" that you design right on the display screen. Store, retrieve and review information in a fraction of the time it would take with a conventional filing system. Once you've created the basic form, it's easy to store information—you just fill in the blanks. **25-1140 ..... 199.95**

**pfs:plan.** Lets you organize a spreadsheet for planning, tracking, analyzing and reporting data. You can even read data directly from **pfs:file** and place that data in the correct locations in your worksheets. **25-1144 ..... 199.95**

### Scriptsit® 1000 Word Processing

**Get the Features of a Dedicated Word Processor for Your Tandy 1000 at a Truly Low Price**

**SCRIPTSIT 1000.** Lets you prepare memo, letters, reports and manuscripts. Delete, insert and move blocks of text easily. Includes reverse video to aid in editing. Print as many correction-free originals as you want with an optional printer. Features a spelling checker and corrector, multiple format lines, on-line help and multi-column printing. Allows proportional spacing, justification, multiple fonts and user keys. Requires 256K. **25-1155 ..... 599.95**

## Sybiz Plus Australian Accounting Software for Your Tandy 1000/2000/3000

### Integrity

Totally integrated business packages. Separate modules cover areas such as General Ledger, Debtors, Creditors, Inventory and Job Costing. **900-9600, 1, 2, 3, 4 ..... From 795.00 per module**

After using the General Ledger, you determine your needs with accounts receivable, accounts payable, stock control and cash book modules. **900-9610, 1, 2, 3, 4 ..... From 550.00 per module.**

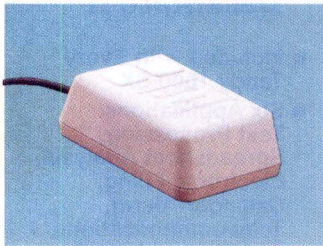
### Get the Top Names Through Our Express Order Software Service

Now, in addition to our "off-the-shelf" software, you can get other top sellers for your Tandy Computer through our exclusive Express Order Software Service. Choose from the most popular names in software. Just stop by your local Tandy Computer Centre, Tandy Store or participating dealer for the latest listings.



# EXPANSION OPTIONS AND UPGRADES

## Digi-Mouse for Easy Cursor Movement



**For Accurate Cursor Control  
And Accurate Response**

Simply plugs in for easy cursor movement in graphics programs, as well as other applications. Requires Mouse Controller/Calendar Board (25-1010 or 25-1015). 26-1197 .....169.95

## 8.89cm 720K External Disk Drive

**NEW  
FOR 87**

- Space-Saving Size
- Provides 720K Storage

Provides twice the storage of a 13.3cm disk drive and uses smaller, more durable diskettes. Special features in the Tandy 1000 EX allow you to store programs on this disk drive and load them directly!

25-1061 .....549.95

**NEW! 13.3cm External Disk Drive.**

25-1060 .....499.00



## User-Installable Boards for Tandy 1000/1200/3000

**256K Parity Memory Kit.** Adds 256K of memory. 25-3062 .....299.95

**Tandy 1000 Disk Drive Kit.** Provides an additional 360K of disk storage. Mounts internally. Installation recommended (not included).

25-1005 .....399.95

**Memory Expansion Board.** Uses an expansion slot to upgrade a Tandy 1000 (with 384K memory upgrade) to 512K. Also provides sockets for an additional 128K. For Tandy 1000/PC/Compatibles. 25-1009 .....399.95

**Digi-Mouse Controller/Calendar Board.** Dual-purpose board includes controller for Digi-Mouse and perpetual time/date clock so that you don't have to re-input time and date into your applications programs. Includes demo program and documentation on how to use the Digi-Mouse in your programs. Battery back-up. 25-1010 .....229.95

**NEW! 8087 Math Co-Processor.** For Tandy 1000 (25-1000 A and 25-1001 A only), 1000 SX. Increase throughput up to 10 times with software that supports a co-processor. Supported by most CAD programs and many others. 25-1012 .....499.00

**128K Parity Memory Kit.** For use with 25-1004/25-1009 to upgrade your Tandy 1000 from 256K to 384K or from 512K to 640K.

26-5162 .....299.00

**Hard Disk Controller Board.** Allows you to add hard disk drives for up to 70 million characters of storage for data and programs. Compatible with most Tandy 1000 software—most programs transfer directly to hard disk. Includes cable for use with 10, 15 or 35-megabyte hard disks.

25-1007 .....649.95

**NEW! Dual-Display Graphics Adapter.** Combines the function of three boards in one! Uses VM-3 and CM-10 monitors. Displays up to 640 x 200 in 16 colors with special software. Features Hercules-compatible graphics mode.

25-3045 .....499.00

**Memory PLUS Expansion Board.** Provides DMA and an additional 256K of memory, bringing your 128K Tandy 1000 to 384K. PLUS Expansion Board (RS-232, Mouse) can be plugged into a special connector, saving a slot for other applications. 25-1011 .....519.95

**NEW! Memory PLUS Expansion Adapter for Tandy 1000 EX.** Expands your Tandy 1000 EX to 384K and adds DMA circuit to speed up computer operations. Sockets allow addition of another 256K. Also provides connectors for the addition of two PLUS Upgrade Boards.

25-1062 .....299.95

### PLUS Upgrade Boards

These boards are specially designed for use with the Tandy 1000 EX or our Memory PLUS Expansion Board. You can also use them with the Tandy 1000 SX, or any other PC compatible with the PLUS Upgrade Adapter Board. All PLUS Upgrade Adapter Boards are user installable.

**New Low Price! PLUS RS-232C Option Card.** Lets your computer talk with other computers and access national information services when combined with communications software and external modem.

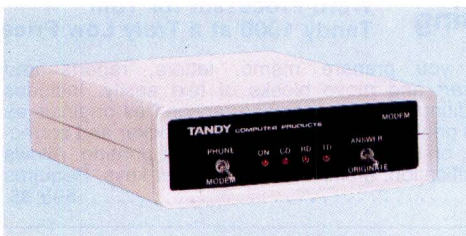
25-1014 .....229.95

**PLUS RS-232C Option Card.** Lets your computer talk with other computers and access national information services when combined with communications software and external modem. 25-1015 .....229.95

**PLUS Upgrade Adapter Board.** Allows use of PLUS Upgrade Boards in a standard PC card slot. 25-1016 .....44.95

## Communicate With Tandy Modems

### Tandy V21 Modem



**259<sup>95</sup>**

Low cost communications system gives you access to a large range of information services. Link up to bulletin boards, information data bases and Auspac. Connects up to any standard telephone outlet via RS-232 port. 300 bits per second, full duplex. 240V AC at 5 watts. Telecom approved. 26-9403 .....259.95

### Tandy V2123

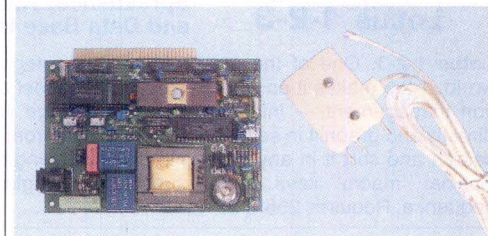


**399<sup>95</sup>**

Gain access to Telecom's Viatel for a host of services. Also links to bulletin boards and other videotex services. 300 bits per second or 1200 bits per second receive, 75 bits per second send. 240V AC at 5 watts. Simple to install and fully Telecom approved.

26-9404 .....399.95

### Internal Intelligent Modem for Your Tandy 1000/3000



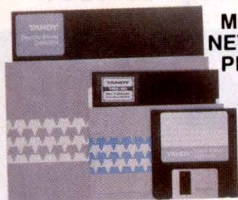
**699<sup>95</sup>**

Direct connect modem eliminates acoustic interference and data corruption. With auto-answer auto-dial and auto-disconnect. Includes VTEX2 software for Viatel and other videotex services. 300 baud full duplex and 1200/75 baud full duplex (videotex). With Telecom approval.

25-9402 .....699.95



# TANDY COMPUTER SUPPLIES



Most At  
NEW LOW  
PRICES

## Certified 8.7cm 13.3cm and 20.5cm Diskettes

- Certified Error-Free
- Unformatted, Soft-Sectored

### Double-Sided

cm	Tracks	Quantity	Cat. No.	Price
8.9	80	10	26-418	99.95
13.3	40	3	26-411	19.95
13.3	40	10	26-412	49.95
13.3	80	3	26-409	39.95
13.3	80	10	26-410	79.95
20.5	77	3	26-4961	44.95
20.5	77	10	26-4960	139.95

### High-Density

cm	Tracks	Quantity	Cat. No.	Price
13.3	80	3	26-421	39.95
13.3	80	10	26-422	129.95

### Single-Sided

cm	Tracks	Quantity	Cat. No.	Price
8.9	80	3	26-415	29.95
20.5	77	3	26-4904	29.95
20.5	77	10	26-4906	99.95
13.3	40	1	26-305	6.95
13.3	40	3	26-405	14.95
13.3	40	10	26-406	39.95

**13.3cm Replacement Labels.**  
26-307 ..... Pkg. 54/5.95  
**20.5cm Replacement Labels.**  
26-4908 ..... Pkg. 50/5.95

## Reliable Computer Cables

Parallel Printer Cables	Description	Cat. No.	Each
Model I/III/4/4P/1000/1000 EX	3.6m Ribbon	26-1368	69.95
Model II/12/16/16B/2000/6000	3.6m Ribbon	26-1323	79.95
Tandy 3000/IBM PC	1.8m Ribbon	26-1347	79.95

Serial Printer Cables	Description	Cat. No.	Each
PC-5	12-Pin to 12-Pin	26-3671	29.95
Color Computer/MC-10	4-Pin to 4-Pin	26-3020	7.95
DT-100 Terminal	4-Pin to DB25	26-1361	34.95

Interface Cables	Description	Cat. No.	Each
Color Computer/MC-10 to Modem	4-Pin to 4-Pin	26-3020	7.95
Color Computer to RS-232C	4-Pin to DB25	26-3014	29.95

Keyboard Cable	Description	Cat. No.	Each
Tandy 1000	1.5m Extension	26-1389	29.95

Cassette Recorder Cable	Description	Cat. No.	Each
Computers With Cassette Port	5-Pin to Audio	26-1207	10.95

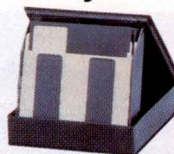
Portable Computer Interface Cables	Description	Cat. No.	Each
Any Parallel Printer	34-Pin to 36-Pin	26-1409	29.95

RS-232C Communications	Description	Cat. No.	Each
Model III/4/12/16B/1000 1200/2000/3000/6000	1.5m Ribbon	26-1408	44.95
Model 12/Model 16B	4.6m Round	26-1490	69.95
Tandy 1000	7.6m Round	26-1491	89.95
Tandy 2000	15.2m Round	26-1492	119.95
Tandy 3000	30.5m Round	26-1493	159.95
2 RS-232C Cables	Connector	26-1495	14.95
Round RS-232C Cable for Model III/4/DT-1	8" Flat Extender	26-1497	59.95
Tandy 3000 Serial Cable	6' Round	26-1399	69.95

Two RS-232C Cables	Connector	276-9704	29.95
Two Computers & RS-232C Cable	Null Modem	276-9705	24.95
Male to Male RS-232C	Connector	276-9703	29.95
Mini Patch	Connector	276-9702	34.95
Mini Tester	Tester	276-9701	49.95
Two Lap Computers & RS-232C Cable	Null Modem	276-9706	24.95

## Diskette Library Boxes

Low  
As **7<sup>95</sup>**



Convenient  
Disk Storage

8.9cm. Holds 5.  
26-1380 ..... 2/9.95  
13.3cm. Convenient Travel Total.  
Holds 5. 26-1348 ..... 7.95

## Locking Diskette Box

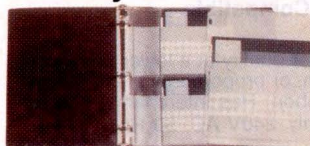
**44<sup>95</sup>**

Dust-Free  
Protection



Keep your diskettes safe. Durable,  
holds and protects up to 100 disks.  
26-9406 ..... 44.95

## Handy Disk Files

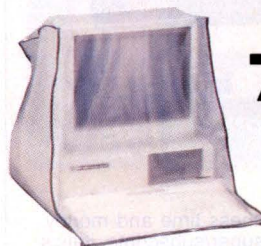


(1)

(2)

(1) 3-Ring Binder for Envelopes.  
26-1310 ..... 14.95  
(2) 13.3cm Envelopes. For binder  
above. 26-510 ..... Pkg. 10/15.95  
(2) 20.5cm Envelopes.  
26-4907 ..... Pkg. 10/18.95

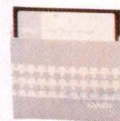
## Dust Covers



Low As

**7<sup>95</sup>**

## Disk Drive Analyzer



NEW  
FOR 87

**69<sup>95</sup>**

For Tandy 1000/1000 EX. Analyzes  
disk-drive alignment, rotational  
speed, index-sensor position, clamp-  
ing ability and write/read accuracy.  
26-1370 ..... 69.95

## Static Spray **14<sup>95</sup>**

Eliminates problem-  
causing static on  
equipment, screen or  
carpet. 16 oz.  
26-515 ..... 14.95



## Programming Aids



(1)

(2)

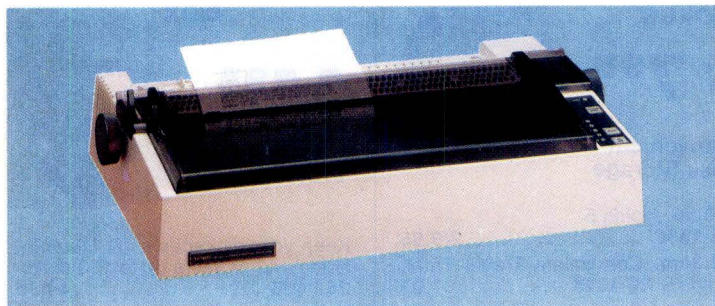
(3)

(1) Printview Ruler. 26-1313, 9.95  
(2) Graphics Worksheets.  
26-2105 ..... 100 Sheets/11.95  
(3) Flowchart Template.  
26-1312 ..... 7.95



# TANDY HAS PRINTERS FOR EVERY NEED

## Full-Featured Daisy-Wheel Printer



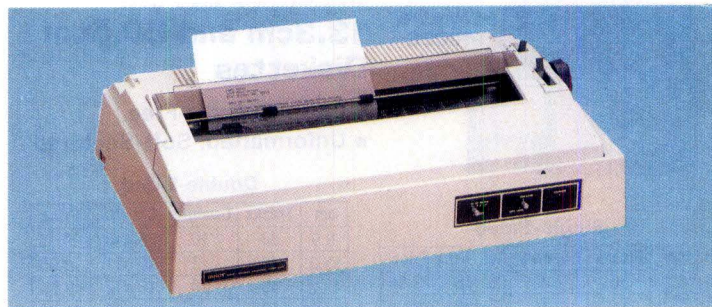
**NEW FOR 87** **\$1899** ■ Prints at 500 Words Per Minute  
■ IBM Compatible

**DWP 520.** Get high-speed electric-typewriter quality at a lower price than ever! Select 10, 12 or 15 characters per inch, or proportional pitch. Comes with Courier 10 print wheel and carbon ribbon. Has interchangeable 96-character Print Wheel. Parallel interface only. 240V AC, 50 Hz.

**26-2800** ..... **1899.00**

**DWP 520 Bidirectional Tractor. 26-2801** ..... **269.95**

## Our Lowest-Priced Daisy-Wheel



**NEW FOR 87** **\$899** ■ Prints at 200 Words Per Minute  
■ IBM Compatible

**DWP 230.** Now get full-featured, letter-perfect printing for under \$1000! Select 10 or 12 characters per inch or proportional pitch. Prints at 20 cps. Parallel and Color Computer serial interfaces. 240V AC, 50 Hz.

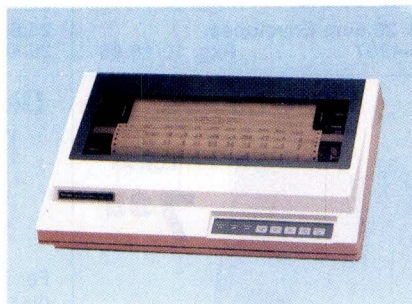
**26-2812** ..... **899.00**

**DWP 230 Bidirectional Tractor. 26-2813** ..... **199.95**

## Dot-Matrix Power for Business

**\$2599**

- Prints 380 Characters Per Second
- True Pin-Driven Tractor
- IBM Compatible



**DMP 2200.** Fast, efficient printing saves your business time and money. Supports elongated, double-high, bold, underline, super/subscripts, italics and double-strike. Bit-image graphics mode. Parallel interface only. 240V AC, 50 Hz.

**26-1279** ..... **2599.00**

## Printer Controller Saves You Time

**\$519<sup>95</sup>**

**Frees Your Computer During Printing**



**PTC 64 Printer Controller.** Now you can print one job while working on another! Our PTC 64 "print buffer" accepts and stores information from your computer at top speed and then feeds it to your printer as fast as the printer can handle it. Features a clear-memory function, a pause function and a copy function for printing up to 100 consecutive originals. 240V AC 50 Hz. **26-1269** ..... **\$519.95**

## Thermal Ribbon Printer



**449<sup>95</sup>**

**TRP 100.** Prints text (50 cps) and graphics on both regular and thermal paper. Parallel and Color Computer-compatible serial interfaces. Uses AC adapter or 5 "C" batteries (not incl.) **26-1275** ..... **449.95**

## Fanfold Computer Printer Paper

### Fanfold Paper

Size (mm)	Design	Quantity	Cat.No.	Price
241 x 279	Blue H/S	1000 sheets	26-9317	39.95
381 x 279	Blue H/S	1000 sheets	26-9315	39.95

### Wordprocessing Paper\*

Size (mm)	Design	Quantity	Cat.No.	Price
241 x 279	Blank White	1000 sheets	26-9316	39.95
241 x 279	Quartz	250 sheets	26-9318	19.95
241 x 279	Ivory	250 sheets	26-9319	19.95
241 x 279	Mist	250 sheets	26-9320	19.95

\*All Wordprocessing Paper has "INVISIBLE" vertical edge perforations.

### Fanfold Labels

**1-Wide.** Package of 1000. **26-1328** ..... **15.95**

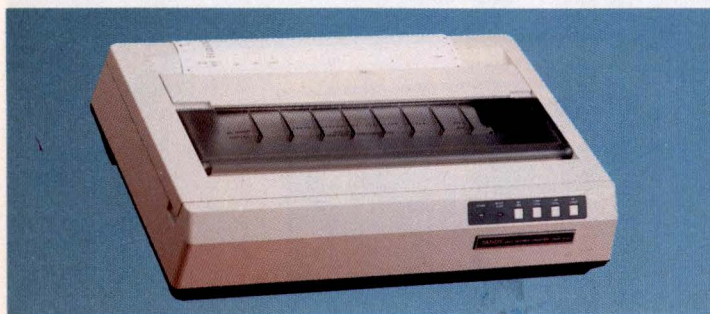
## Roll Paper for Printers

Printers	Cat. No.	Price
CGP 115	26-1428	3/14.95
CGP 220 Rolls	26-1333	3/29.95
CGP 220 Cut Sheets	26-1341	2/7.95
TP 10	26-1332	2/7.95
TRP 100	26-9338	39.95
PC 1	26-3506	3.95
PC 2	26-3606	5.95
PC 4/6	65-711	3.99
LPI/II/IV/VIII/DMP 200	26-1402	2/34.95
Plotter/Printer	26-1407	17.95
Quick Printer	26-1405	69.95
Quick Printer II	26-1412	2/10.95



# MORE PRINTERS AND ACCESSORIES

## 18-Wire, 132-Column Printer



**\$1299**

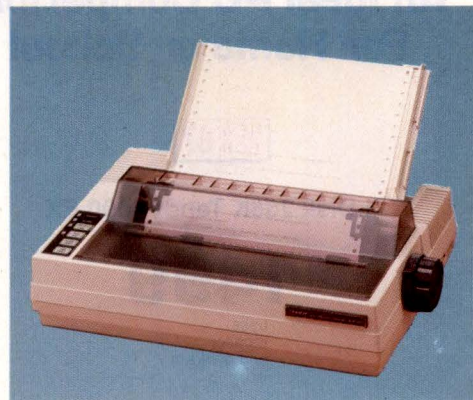
- Delivers Superior Correspondence Fonts
- IBM Compatible

**DMP 430.** Prints 10, 12 or 16.7 cpi, plus elongated standard, elite and condensed. Get micro, italic and double-high fonts, too. Also produces bit-image graphics. Prints up to 180 characters per second. True pin-driven tractor—not sprocket. Parallel and Color Computer-compatible serial interfaces. 240V AC, 50 Hz. **26-1277 . . . . . 1299.00**

## Triple-Mode "Personal Printer"

**\$599**

- Word Processing, Data Processing and Graphics
- IBM Compatible



**DMP 130.** Correspondence printing for under \$600! Prints in four character styles: standard or italic cursive in draft or correspondence modes. Supports super/subscripts, double-width, bold, double-strike, plus cursive and microfont styles. Prints up to 100 characters per second. Built-in tractor. Parallel and Color Computer serial interfaces. 240V AC, 50 Hz. **26-1280 . . . . . 599.00**

## Replacement Printer Ribbons

Printer	Ribbon	Cat.No.	Each	
			1 - 11	12 Up
LP III	Fabric Cartridge	26-1414	29.95	24.95
LP VI/VIII, DMP 400/420	Fabric Cartridge	26-1418	24.95	21.95
LP VII, DMP 100	Re-inking Fabric	26-1424	17.95	15.95
DMP 110	Re-inking Fabric	26-1283	19.95	16.95
DMP 130	Cartridge	26-1236	19.95	16.95
DMP 130	Refill	26-1238	34.95	29.95
DMP 500	Fabric Cartridge	26-1482	29.95	24.95
DMP 200	Fabric Cartridge	26-1483	29.95	24.95
DMP 200, 500, 430	Refill Pack (3)	26-1489	34.95	29.95
DMP 1j5	Fabric Cartridge	26-1288	14.95	12.95
DMP 430	Fabric Cartridge	26-1296	34.95	29.95
DMP 2100, 2100P	Fabric Cartridge	26-1442	29.95	24.95
DMP 2200	Refill	26-1234	34.95	29.95
TRP 100	Thermal Film	26-1297	6.95	5.95
TRP 100	Refill Rolls (5 pk)	26-1298	17.95	15.95
DW II, DWP 410, DWP 510	Carbon Film Cart Multi Strike (3 pk)	26-1419	34.95	29.95
DW II, DWP 410, 510	Nylon Cartridge	26-1449	24.95	21.95
DWP 210, 230, 520	Carbon Film Cart Multi Strike (3 pk)	26-1445	49.95	42.95
DWP 210, 230, 520	Fabric Cartridge	26-1458	24.95	21.95
DWP 220	Multi Strike	26-1299	39.95	35.95

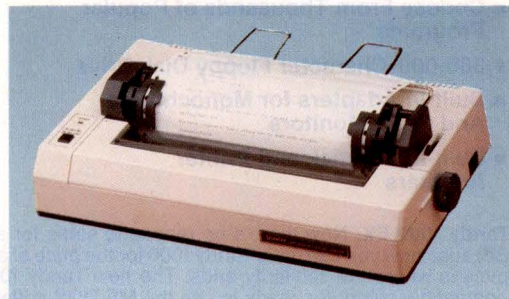
## Plotter Supplies

Plotter	Description	Cat. No.	Each
CGP 115	Set 3 Black Pens	26-1480	5.95/Pack
CGP 115	One each Red, Green Blue	26-1481	5.95/Pack
CGP 220	Black Ink Pack	26-1281	19.95
CGP 220	Tri Color Ink Pack	26-1282	29.95

## Our Budget-Priced High-Performer

**349<sup>95</sup>**

- Prints Up to 80 Characters Per Second
- Bit-Image Graphics Mode



**DMP 105.** Another Tandy price breakthrough! Ideal for data processing and general-purpose use. Produces crisp 8 x 9 characters on a 20cm line. Bidirectional—prints 80 upper and lowercase characters per line at 43 lines per minute (10 characters per inch). Features elongated and condensed modes. Parallel and Color Computer-compatible serial interfaces. 240V AC 50 Hz. **26-1276 . . . . . 349.95**

## Printer Selector Interface 2



**NEW FOR 87**

**169<sup>95</sup>**

**Get a Two-Computer, Two-Printer Hookup**

**Printer Selector Interface 2.** Save money and increase printing efficiency. Allows up to two computers and up to two printers to function interchangeably. You control the process from your keyboard with simple commands. 240V AC, 50 Hz. **26-2820 . . . . . 169.95**



# OUR ENTRY-LEVEL TANDY 1000 EX

## An Ideal PC Compatible For Home or School

NEW  
FOR 87

1-Disk 256K Tandy 1000 EX

**\$1499**

Less  
monitor  
and platform

- Our Lowest-Priced MS-DOS Based Personal Computer
- Get PC Compatibility at a Fraction of the Price of IBM and Other Compatibles
- Fifty-Percent Faster Than the IBM® PC
- Comes With Incredibly Easy-to-Use Personal DeskMate® Software
- Choose From Thousands of Popular Programs
- 360,000-Character Floppy Disk Drive
- Built-In Adapters for Monochrome And Color Monitors
- Built-In Joystick and Printer Adapters



**Tandy 1000 EX.** Now there's no reason to settle for a "game" computer. Because now you can get a Tandy 1000 for the price of a game machine. But price is where the similarity ends. The new Tandy 1000 EX is a *true PC-compatible computer*, ready to use the MS-DOS software you bring home from the office, as well as software designed for the home or classroom. Inside the sleek one-piece design there's a 13.3cm disk drive and 256,000-character RAM. The integral 90-key keyboard is the same as the Tandy 1000 SX for easy learning. You'll find an advanced three-voice sound circuit for sophisticated sound and music generation through the built-in speaker. There's also a headphone jack with volume control for quiet listening—perfect for classrooms. And every Tandy 1000 EX comes with our graphics-oriented Personal DeskMate productivity software. Personal DeskMate is amazingly easy to use, with handy pull-down menus and pop-up boxes for selecting functions. The one-piece Tandy 1000 offers convenient portability—just plug in a monochrome or color monitor (or a TV set with an optional RF modulator). Plug in joysticks or a printer without buying extra-

cost adapters. Add the Memory PLUS Expansion Adapter for two additional connectors for more memory, modem telecommunications, Digimouse. If you've been searching for a computer that's "just right" for your family or classroom, then the Tandy 1000 EX is exactly what you've been looking for. **25-1050** . . . . . **1499.00**

**Tandy 1000 EX Monitor Platform. 26-210** . . . . . **99.95**

**SPECIFICATIONS:** Microprocessor: Intel 8088, Clock Speed: 7.16/4.77 Mhz. **Operating System:** Includes MS-DOS 2.11 with GW-BASIC. (Manuals extra). **Memory:** 256K RAM, expandable on main board to 640K. **Keyboard:** Integral 90-key, including numeric-entry keypad. Twelve programmable function keys. **Video Display:** Optional high-resolution, non-glare 30.4cm monochrome (green) or 33cm RGBI Color Monitor. 80 or 40 characters per line by 25 lines text, 640 x 200 graphics. **Disk Drives:** One 360K (formatted) 13.3cm mini-floppy. **Internal Expansion:** One "PLUS" style expansion board or two "PLUS" style expansion boards when used with Memory PLUS Expansion Adapter (25-1062). **External Connections:** 13.3cm 360K or 8.89cm 720K External Disk Drive, standard parallel port, composite video out, 1/8" headphone jack with volume control, two joysticks, RGBI Color Monitor. AC outlet. **Power:** 240 VAC, 50 Hz. IBM/Reg. TM International Business Machines Corp. MS-DOS/Reg. TM Microsoft Corp.

## Tandy Display Monitors

(1) New! **CM-5 RGBI Color Monitor.** 33cm screen displays 80 x 25 text, 640 x 200 graphics. **25-1023** . . . . . **599.00**

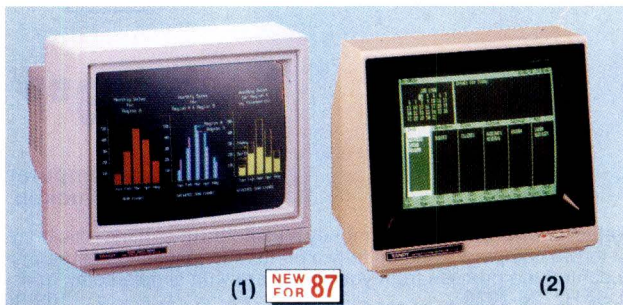
**CM-10 RGBI Color Monitor.** 33cm screen displays 80 x 25 text, 640 x 200 graphics. **25-1022** . . . . . **899.00**

**Color Monitor.** 35.6cm screen displays 80 x 25 text, 640 x 400 graphics. Tilts 5 or 10 degrees. **26-5112** . . . . . **1149.00**

(2) **VM-2 Monochrome Monitor.** 30cm green phosphor screen, non-glare, non-interlaced. **26-3211** . . . . . **349.95**

**CM-2 High Resolution RGB Color Monitor.** 34cm screen produces eight vivid colors. Text and graphics with appropriate adapters. **26-3212** . . . . . **899.00**

**VM-1 Monochrome Monitor.** 33cm screen displays 80 x 25 text, 640 x 400 graphics. Tilts 5 or 10 degrees for best viewing angle. **26-5111** . . . . . **349.00**





# THE HIGH-PERFORMANCE TANDY 1000 SX

## An Enhanced Version of Australia's #1 PC Compatible

NEW  
FOR 87

2-Disk 384K Tandy 1000 SX

**\$2299** Less  
monitor



- Fifty-Percent Faster Than the IBM® PC
- Ready to Run With Included DeskMate® II Software, Featuring Six Productivity Programs on One Disk
- Software Compatible With the IBM PC—Choose From the Most Popular Programs on the Market
- Two Built-In 13.3cm Disk Drives
- Five Card Slots for Easy Expansion
- Network Compatible
- Built-In Adapters for Monochrome And Color Monitors
- Includes Adapters for a Printer, Joysticks and Light Pen

**Tandy 1000 SX.** Since its introduction, the Tandy 1000 went on to become the hottest IBM PC compatible to hit the market. Now we've made it even better. The 1000 SX is centered around the 8088 microprocessor, ensuring compatibility with industry-standard MS-DOS software. But unlike other "industry-standard" computers, you can run virtually all of your programs *one and one-half times as fast with a 1000 SX*. This user-switchable speed control lets you finish spreadsheets, sort data bases and display intricate charts and graphs faster than ever. To complement this new level of sophisticated performance, the 1000 SX comes with 384K RAM (expandable to 640K on the main board) and two built-in disk drives. And with five card slots, it's easier than ever to expand your system. Expansion boards are user installable, and you can choose from memory expansions, internal modems—even a 20-megabyte hard disk card! We've redesigned our popular DeskMate 6-in-1 applications software to take advantage of the Tandy 1000 SX's power, too. DeskMate II for the Tandy 1000 SX features six applications on one disk. And with the special task-switching feature you

can exit DeskMate, enter an applications program, then return to DeskMate—all with just a few keystrokes. With the Tandy 1000 SX, the "options" you expect to pay more for are included. Monochrome and color graphics adapters are built in for easy hookup to a monitor. Adapters for a printer, joysticks, or light pen are all standard, as well as the disk operating system and BASIC. **25-1051** . . . . . **2299.00**

**SPECIFICATIONS:** Microprocessor: Intel 8088, Clock Speed: 7.16/4.77 Mhz. **Operating System:** Includes MS-DOS 3.2 with GW-BASIC. (Manuals extra). **Memory:** 384K RAM, expandable on main board to 640K. **Keyboard:** 90-key, including numeric-entry keypad. Twelve programmable function keys. **Video Display:** Optional high-resolution, non-glare 30.4cm monochrome (green) or 33cm RGBI Color Monitor. 80 or 40 characters per line by 25 lines text, 640 x 200 graphics. **Disk Drives:** Two 360K (formatted) 13.3cm mini-floppies. **Internal Expansion:** Five user-accessible IBM PC-compatible card slots (25.4cm maximum length), 8087 Math-Coprocessor. **External Connections:** Standard parallel port, composite video out, line level audio out, light pen port, two joysticks, RGBI Color Monitor. AC outlet. **Power:** 240 VAC, 50 Hz.

IBM/Registered TM International Business Machines Corp. MS-DOS/Registered TM Microsoft Corp.

## Hard-Disk Storage Systems

- Choose  
External or  
Internal Hard  
Disk Storage

- Get Fast  
Access to  
Volumes of  
Data



**10-Meg Disk System.** Expand your Tandy 1000's storage affordably. Add two to the Tandy 1000 or 1000 SX, or one to the Tandy 1000 HD for 20 megabytes of total system storage (Cable Kit and installation required for secondary unit). Requires Hard Disk Controller Board (25-1007). **25-1025** . . . . . **1699.00**

**Secondary HD Cable Kit for Tandy 1000.** **25-1026** . . . . . **99.95**

**Secondary HD Cable Kit for Tandy 1000 HD.** **25-1027** . . . . . **99.95**

**New! 20-Meg Hard Disk Card.** A complete 20-megabyte hard disk—on an expansion board! User installable. Fits in the Tandy 1000's expansion slot, so it doesn't take up any desk space. Also for use in Tandy 3000. **25-1029** . . . . . **1799.00**



# TANDY 3000 — 4 TIMES THE POWER OF AN XT



## The 3000 HL Is the Basic Building-Block for Your Business System

NEW  
FOR 87

Tandy 3000 HL

**\$3999**

Monitor  
not included

- Software and Hardware Compatible with the IBM PC/XT
- Uses the MS-DOS 3.2 Operating System
- 8-Megahertz 80286 CPU—Twice the Speed of Industry Standards

**Tandy 3000 HL.** If you've already invested in IBM PC/XT software and hardware, yet are shopping for a lower-priced compatible, then take a look at our newest computer to join the Tandy line of IBM compatibles, the Tandy 3000 HL. With an 80286 processor, it's over four times faster than the XT. And that's good news for busy people. We also made sure the 3000 HL had plenty of memory to run the software you and your staff have grown accustomed to. The Tandy 3000 HL comes with 512K standard memory and can be expanded to 4 megabytes using the expansion slots.

The 3000 HL comes standard with seven expansion slots; four 8-bit/XT compatible slots and three 16-bit data bus slots. The Tandy 3000 HL features a built-in real-time clock with battery backup for automatic date-stamping of all jobs, process control and other time-sensitive applications. And you can connect your MS-DOS based computers with the Tandy Vianet local area network. For XT compatibility with more power and versatility, at a much lower cost, this is the computer to step up to.

<b>Tandy 3000 HL. 25-4070</b>	<b>3999.00</b>
<b>20 Megabyte Hard Drive. 25-4062</b>	<b>1699.00</b>
<b>Hard Drive Controller. 25-4060</b>	<b>1199.00</b>
<b>Display Adapter. 25-3045</b>	<b>499.00</b>
<b>MS-DOS 3.2/BASIC/DeskMate. 25-4103</b>	<b>199.95</b>

**SPECIFICATIONS.** **Microprocessor:** Intel 80286 processor with 16-bit data path. Switchable clock speed 4/8 MHz. Object code compatible with 8086/8088. **Operating System:** Optional Microsoft MS-DOS 3.2 with BASIC. **Memory:** 512K RAM with parity, expandable to 4 megabytes. **Keyboard:** 84-key sculptured. **Video Display:** Optional 30.4cm monochrome or 35.5cm color monitor. 80 or 40 characters per line by 25 lines. Optional 80 by 50 lines, high-resolution 640 x 400 monochrome graphics and 320 x 200 graphics in 16 colors, or 640 x 400 graphics in 4 colors. **Disk Drives:** Built-in, thin-line 13.3cm floppy can read 360K formats. **Internal Expansion:** Seven plug-in card slots. **Dimensions:** 33 x 51 x 56cm. **Weight:** 14.5kg. **Power Requirements:** 240V AC, 50 Hz. IBM/Registered TM International Business Machines Corp.



# THE PC/AT COMPATIBLE TANDY 3000 COMPUTER



## The Affordable Solution to Your Business Demands

Tandy 3000 HD with  
20-Meg Hard Disk

# 8999<sup>00</sup>

Monitor not included

- Software and Hardware Compatible with the IBM PC/AT and PC/XT
- Uses the MS-DOS 3.2 Operating System
- 8-Megahertz 80286 CPU—Twice the Speed of Industry Standards
- XENIX Multiuser Capabilities
- Includes Hi-Res Mono/Color Video Card

**Tandy 3000.** The powerful Tandy 3000 is the affordable answer to the IBM PC/AT. Here's the power to manage your business, to network computers, or to create a multiuser system for your office.

The Tandy 3000 is compatible with MS-DOS-based software designed for the IBM PC/AT and the PC XT. The 3000 is also designed to use the XENIX 5.0 multiuser operating system. In such a configuration, multiple display terminals will be able to tap the high-performance 80286 microprocessor. Thanks to its high processing speed, two to six users throughout an office will be able to use the Tandy 3000 simultaneously. Each user can work independently on a variety of diverse projects. The Tandy 3000 comes with an Intel 80286 microprocessor for the ultimate in speed and performance. In addition to the floppy drive, the 3000 HD comes with a built-in 20 megabyte hard disk drive for fast access to volumes of important data.

**Tandy 3000 HD/20MB. 25-4010 . . . . . 8999.00**

**SPECIFICATIONS.** **Microprocessor:** Intel 80286 processor with 16-bit data path. Clock speed, 8 MHz. Object code compatible with 8086/8088. **Operating System:** Optional Microsoft MS-DOS 3.2 with BASIC. Optional XENIX 5.0 multiuser operating system. **Memory:** 512K RAM with parity, expandable to 12 megabytes under XENIX. **Keyboard:** 84-key sculptured. **Video Display:** Optional 30cm monochrome or 35cm color monitor. 80 or 40 characters per line by 25 lines. High-resolution 640 x 400 monochrome graphics and 320 x 200 graphics in 16 colors. **Disk Drives:** Built-in high-density, thin-line 14cm floppy can read 1.2 mB and 360K formats. Tandy 3000 HD also has built-in 20 megabyte hard disk drive. **Expansion:** 10 plug-in cards slots. **Dimensions:** 16.51 x 48.2 x 45.7cm. **Weight:** 21.32kg. **Power Requirements:** 240V, 50 Hz.



# INTRODUCING THE COLOR COMPUTER 3



**We've Put a Rainbow at Your Fingertips—Now With a Total of 64 Colors! Use With a Monitor for Razor-Sharp 640 x 200 Graphics**

**128K Extended BASIC Color Computer 3.** Tandy's newest version of the famous Color Computer. The Color Computer 3 can be used in small business and home applications such as graphics, programming, budgets, word processing, database management, spreadsheet analysis and many others. The Color Computer 3 comes with 128K memory (expandable to 512K), and gives you the advantage of greater programming and data processing power, as well as higher resolution graphics. Simply connect the Color Computer 3 to a high-resolution monitor—like the new CM-8 monitor (sold separately, right)—and you can create incredibly detailed charts, graphs, engineering drawings, or just doodles and sketches. When you switch to the higher graphics mode, you can choose 160 x 200 or 320 x 200-resolution with 16 colors or 640 x 200-resolution with 4 colors. The 21 new commands featured in the Color Computer 3's Extended BASIC language allow you to alternate screens, colors and backgrounds at a higher resolution and in a greater variety of colors than any previous Color Computer. You can select up to 16 colors out of a palette of 64. When connected to a TV, the Color Computer 3 will display text in a 32-character by 16-line format. Get a 40-character by 25-line or 80-character by 25-line display with a monitor. Also features multi-character variable names and full-featured editing. Best of all, the new Color Computer 3 is compatible with software and accessories designed for the Color Computer 2 (in the Color Computer 2 mode). Expands easily with disk drives, printer, telephone modem and more.

26-3334 ..... 449.00

**SPECIFICATIONS.** Microprocessor. 6809E 8-bit. Clock Speed: 0.894 MHz or 1.788 MHz. Keyboard: 57 keys, including Function, Alternate, F1 and F2. Video Display: 16 lines of 32 characters (uppercase only) to 25 lines of 80 characters (upper and lower case). Color graphics capabilities range from 64 x 32 (8 colors) to 640 x 200 (4 colors) with 6 intermediate display formats. High-resolution graphics available through machine language, Extended BASIC or Program Paks. Memory: 128K RAM—internally expand to 512K. Twenty-one commands in enhanced Extended BASIC. Input/Output: 1500-baud cassette (recorder optional). Two joystick ports. RS-232C serial port (4-pin only). Standard TV (300 ohms). Composite Monitor, and RGB Analog Monitor. Dimensions: 7.6 x 26.2 x 37.5cm. Power: 240V, 50 Hz.

**\$449**

Less Monitor

**Our Most Powerful Color Computer Ever!**

- Choose 32 x 16, 40 x 25, or 80 x 25 Text Display
- Select 160 x 200, 320 x 200, or 640 x 200 Graphics
- Connect to a High-Resolution Monitor or Your Own TV

## High-Resolution RGB Analog Color Monitor

NEW FOR 87

**\$699**

**CM-8 Color Monitor.** Designed for the Color Computer 3. Displays up to 80 x 25 text and 640 x 200 graphics. 33cm diagonal screen. Includes cable. 26-3215 ..... 699.00





# VERSATILE COLOR COMPUTER ACCESSORIES

## Deluxe Joysticks



**49<sup>95</sup>**

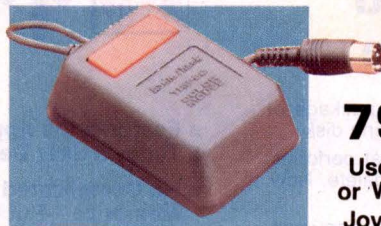
Each

**Our Best!**

You can feel the difference. Get accurate cursor control and quicker response. Dual-axis trim controls adjust to your touch.

26-3012 ..... Each 49.95

## Color Mouse



**79<sup>95</sup>**

Use With  
or Without  
Joysticks

Adds speed and ease to games and graphics creation. Simply "roll" the mouse across tabletop to accurately position cursor.

26-3025 ..... 79.95

## Joysticks



**34<sup>95</sup>**

Pair

**Fun Action for Two Players**

Our lowest-priced joystick. Fast 360° movement! Single-shot button.

26-3008 ..... Pair/34.95

## Multi-Pak Interface



**179<sup>95</sup>**

Connects up to four Program Pak™ cartridges. Change between slots with selector switch or under program control. 240V AC, 50 Hz.

26-3124 ..... 179.95

## RS-232 Program Pak



**179<sup>95</sup>**

Frees  
Serial Port

Communicate with major information services and with other computers over telephone lines. Requires modem.

26-2226 ..... 179.95

## Orchestra-90 CC



**79<sup>95</sup>**

Compose  
Music

Create highly sophisticated electronic music and sound effects. Compose in six octave ranges in up to five voices.

26-3143 ..... 79.95  
Orchestra-90/TM Software Affair

## Computer Furniture and Accessories

### Universal Computer Floor Stand



NEW  
FOR 87

**54<sup>95</sup>**

Fits Tandy and  
Other PCs

Adjustable to 15cm width. Durable steel construction and non-skid rubber feet. Easy to assemble. 26-201 ..... 54.95



### Universal Monitor Pedestal

**34<sup>95</sup>**

Adjustable platform rotates and tilts for optimum viewing angle. Holds all Tandy monitors. Color and finish match monitors. Base: 27.9 x 26cm. 26-1369 ..... 34.95

### Monitor Platform



NEW  
FOR 87

**99<sup>95</sup>**

Sturdy platform for all Tandy monitors. Wood top with metal legs. Easy to assemble. 13.7 x 52.7 x 29.9cm. 26-210 ..... 99.95

### Anti-Glare Screen



**34<sup>95</sup>**

Before After

- Reduces Reflections
- Increases Contrast

For Monochrome Monitors.

26-511 ..... 34.95

### Deluxe Modular Workstation

- Easy-to-Assemble Components
- Simulated Oak Finish

Computer, printer and accessories not included



**System Desk.** Spacious design. Twin cable management slots for easy connections. Adjustable glides. 68.58 x 126.36 x 74.67cm. 26-1356 ..... 459.95  
**Storage Hutch.** Mounts across the full width of the system desk. With adjustable "second shelf" for either side. 26-1359 ..... 209.95  
**Corner Section.** Connects system desk and printer stand for a convenient "work corner". Attaches to either side of desk. 26-1358 ..... 114.95  
**Printer Stand.** Includes bottom-feed paper slot, fold out paper catch and paper storage shelf. Adjustable glides. 68.58 x 71.62 x 49.53cm. 26-1357 ..... 349.95

### Student's Computer Desk

**199<sup>95</sup>**

- Suits Most Computer Hardware
- Tough, Durable Construction



Give your computer an established home, rather than a temporary one. Stylish cabinet finished in attractive woodgrain vinyl. With gap between desktop and back panel to allow paper to pass from lower storage shelf to printer. Ready to assemble — no special tools required. Measures 90 x 93 x 60cm. 26-9408 ..... 199.95

Items Shown With Optional Computer Components (Sold Separately)



# DISK SOFTWARE FOR COLOR COMPUTERS

## Seven-in-One Enhanced DeskMate® 3 Software

**DeskMate 3.** Color Computer DeskMate 3 is an integrated package of seven commonly used personal productivity applications on one disk.

**TEXT**—A general-purpose text-entry and editing program that performs search and replace; file merge; and block select, copy and delete. Now enhanced with an 80/40-column switchable display.

**LEDGER**—A simple spreadsheet which includes an easy-to-use menu and automatic column formatting. Now enhanced with an 80/40-column switchable display and more available memory.

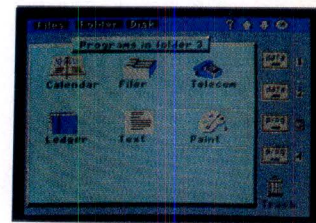
**PAINT**—A color picture editor to create graphics screens. Paint in four colors—or 16 colors on the Color Computer 3's 160 x 200 graphics mode. Using Paint, you can create colorful charts, graphs and designs.

**INDEX CARDS**—A personal filing system. You can enter and edit data and perform simple sorts and searches. It's ideal for keeping track of names.

**TELECOM**—A communications program to access national information services, plus transmit and receive ASCII files from other computers by phone (requires modem).

NEW FOR 87 **119<sup>95</sup>**

- Features the Applications Today's User Demands Most
- No Complicated Commands to Memorize—Put DeskMate 3 to Work From Day One



**CALENDAR**—A simple monthly calendar that displays "to do's" for any date. And now there's an increased number of day records to make monthly planning easier.

**CALCULATOR**—A four-function calculator available within any application. This program is similar to a printing calculator. Figures and calculations scroll up the screen. Includes printer support.

**26-3262** . . . Available Feb. 28, 1987 . . . . . **119.95**

## Make the Most of Your Color Computer with Software From Our Library

**OS-9 Disk Operating System.** A real-time operating system that includes a powerful editor/assembler, plus functions for disk and terminal input/output, software memory management and multitasking. **26-3030** . . . . . **149.95**

**New! OS-9 Level Two.** A multitasking real-time operating system enhanced for the Color Computer 3. **26-3031** . . . . . **129.95**

**D.L. LOGO.** Programming language designed to run under OS-9. Based on LOGO developed by M.I.T. **26-3033** . . . . . **149.95**

**BASIC-09.** An enhanced version of standard BASIC. Includes advanced features derived from PASCAL. **26-3036** . . . . . **179.95**

**Pascal-09.** Structured programming language enhanced for OS-9. **26-3034** . . . . . **179.95**

**C Compiler.** A high-level language that produces assembly language source code for the 6809 microprocessor. Requires OS-9 DOS. **26-3038** . . . . . **179.95**

**Flight Simulator I.** Learn the basics in instrument recognition, manual control and more. Joystick and 64K required. **26-3108** . . . . . **49.95**

**Color Screen Print Utility.** Provides multicolor printouts of color graphics scenes produced from any graphics program. For use with color Ink-Jet Printer (26-1268). **26-3121** . . . . . **17.95**

**Donpan.** You're a balloon sailing to Donpan Island. Fight crows, sharks and monsters by exhaling air. With a little help from your friends you'll make it. **26-3097** . . . . . **49.95**

**Cyrus.** Improve your chess skills! Change play levels during a game, reject computer's moves, take back moves, even play for both sides. Requires 32K. **26-3064** . . . . . **79.95**

**ColorStat.** Use your Color Computer to turn complicated home or business data into statistics for easy analysis, or print them on an optional printer for your records. **26-3107** . . . . . **39.95**

**Cookbook.** An all-purpose menu planner suggests complete meal menus. **26-3257** . . . . . **69.95**

**Investograph.** Charts stocks and trends. Features high-resolution graphics. **26-3258** . . . . . **79.95**

**Cash Budget Management.** A sophisticated personal or small business bookkeeping program. **26-3261** . . . . . **99.95**

**TRSCOPY.** Allows transfer of text files between "OS-9" disks and "Color Computer Disk BASIC" disks. **26-3263** . . . . . **49.95**

**TSEDIT.** A high-resolution screen editor that allows upper and lower case in lines from 32-80 columns. **26-3264** . . . . . **59.95**

**Color Cubes.** Solve the riddle of that maddening cube puzzle on your computer! Undo and redo up to 255 moves. **26-3075** . . . . . **39.95**

**TSWORD.** A format program that forms a powerful OS-9 word processing package when combined with TSEDIT. Illustrated menus. Requires 64K disk system. **26-3267** . . . . . **69.95**

**OS-9 Profile.** This package makes it easy to create and update files for warranties, insurance, or any household records you want to keep track of. **26-3274** . . . . . **99.95**

**Dynacalc.** A powerful electronic spreadsheet. Features up to 256 columns or 256 rows of cells. Built-in numeric functions and 16-digit precision. **26-3275** . . . . . **149.95**

**Zaxxon.** Bring the exciting action of this popular arcade game into your own living room! Dodge missiles, blow up fuel tanks and radar towers, zap the enemy fleet to score points then match wits with the deadly ZAXXON robot himself. Challenges escalate as you learn to master them. Lets you stop games in progress and continue them later, too. For 1 or 2 players. Official Sega version by Datasoft. 32K required. **26-306** . . . . . **69.95**

**Personal Finance II.** Keep your budget in order the easy way! This includes 26 expense categories — car, petrol, food and more. Review spending on year-to-date or category basis. **26-3106** . . . . . **59.95**

**Sands of Egypt.** On your perilous search through the Sahara, you see its scorching and mysterious sun, pyramids and still palms. Can you crack the secret of the ancient Tomb of Ra in your allotted number of moves and escape with the treasure? **26-3290** . . . . . **59.95**

**Reactoids.** There's been a meltdown at a fusion reactor! Take control of the reactoid to contain the atoms and prevent a disaster. **26-3092** . . . **49.95**

**Micropainter.** Turn your Color Computer into an "electronic colouring book"! Become another Van Gogh or Rembrandt. Great fun for the whole family! Load a picture in and "paint" what appears on the video screen. Three palettes, each with four colours. Save results on tape with an optional cassette recorder. With 8 pictures (more available). Joysticks optional. **26-3077** . . . . . **59.95**

**Desert Rider.** How long do you think you can survive this treacherous, grueling motorcross track? If you find the stamina for the spills and thrills, you'll become a Desert Racer Hall of Fame Member. **26-3292** . . . **44.95**

**Double Back.** Fast-action as you guide a long "tail" around the video screen! Try to double back and catch your own tail, and at the same time try to encircle the various "safe" screen objects to gain points. **26-3091** . . . . . **49.95**

**Radio Ball.** All the fun of the pinball parlour! A deluxe, high-resolution pinball game. Requires 32K. **26-3319** . . . . . **34.95**

**Shamus.** Follow the hero, Shamus, as he searches for the evil Shadow in his hideaway! Go through a maze of passages and rooms, fight Whirling Drones, Snap-Jumpers and Robo-Droids with your deadly Ion-Shims. **26-3289** . . . . . **59.95**



# DESKMATE® FOR YOUR COLOR COMPUTER

## 119<sup>95</sup>

- Features Seven Personal-Productivity Applications on One Disk
- No Complicated Commands to Memorize—You Can Begin Computing From Day One!

**DeskMate.** Color Computer DeskMate is an integrated package of seven commonly used personal applications on one disk: Text, Ledger, Index Cards, Paint, Telecom, Calendar and Calculator. Simply select an application (identified by name and icon) with your mouse, joystick or keyboard to start computing! **Text**—A general-purpose text entry and editing program that performs search and replace functions, file merge, block select, copy and delete. Ideal for correction-free letters, memos and reports. **Ledger**—A simple spreadsheet with an easy-to-use menu and automatic column formatting. Does sales forecasting, budgeting, profit/loss projections and other "What if . . . ?" calculations. **Paint**—A four-color picture editor to create graphics screens. Create lines, shapes and patterns, colorful charts and graphs. Then print a copy on a dot-matrix or jet printer. **Index Cards**—A personal filing system that performs simple sorts and searches. Ideal for names and addresses. **Telecom**—Access national information banks such as news and stock reports. Even "talks" to other computers! Requires modem. **Calendar**—A simple monthly calendar that greets you daily with your important dates. An easy way to organize your day. **Calculator**—A four-function calculator similar to a printing calculator. Figures and calculations scroll up the screen. Comes with an easy instruction manual. **26-3259 . . . . . 119.95**

## Seven Programs in One!

## Color Computer Software for Fun, Education and Home Uses

From Exciting Games to Personal Home Applications, the Color Computer Library Offers the Best in Software!

Our Color Computer Software Includes Two Brand New Titles for 1987: Color File II and Color SCRIPSIT® II

**Empire.** You are Commander of the Earth's defence forces. Your mission is to beat the huge invading Dragon army with cunning tactics. Colorful game of worldwide strategy, hi-res' graphics. 8 skill levels. Requires 32K. **26-7356 . . . . . 34.95**

**Speed Racer.** Become a Formula One racing driver! Select one of 4 circuits. Race against the clock, the more cars you pass the more laps you go. Pitstop for new tyres. 5 laps and you win. Requires 32K, optional joystick. **26-7362 . . . . . 34.95**

**Time Bandit.** Create your own games from more than 300 variations! Travel to 3 different worlds with Time Gates. Look out for Killer Smurfs, Evil Guardians, Angry Elmo, Watching Lurker and more. **26-7352 . . . . . 34.95**

**Draconian.** Nail-biting space adventure! Shoot enemy bases to release captive astronauts, but look out for the asteroids, space mines, dragons and the DRACONIAN which can't be shot down! Music and hi-res graphics. Requires 32K, optional joysticks. **26-7360 . . . . . 34.95**

**Frogger.** Safely manoeuvre frogger to his home! Cross busy highway and crocodile-infested river. Requires optional joystick. **26-7304 . . . . . 34.95**

**Operation Safras.** Modern-day 3-part adventure as secret agent Rupert James Pettigrew tries to save his fellow agents then locate the legendary Safras sword and return it to its rightful place. With sound effects. Requires 32K. **26-7355 . . . . . 34.95**

**Chambers.** Destroy evil creatures in each room, go to the reactor room and blow up the base! 20 series of chambers, hundreds of rooms, 50 different creatures. Outstanding sound and graphics. Requires 32K, optional joystick. **26-7361 . . . . . 34.95**

**Ice Castles.** Scently the Bear runs through tunnels, up and down lifts in search of gemstones inside Ice Castles. Look out for Gem Eaters, Bethilda the Witch and Bees. With 3D graphics. Requires 32K. **26-7358 . . . . . 34.95**

**AustQuiz.** How much do you really know about your country? Answer geography questions, and correct answers towns and cities appear on map. 8 programs. **26-7960 . . . . . 9.95**

**Buzzard Bait.** High-speed action as you joust on your "bird" against the enemy! Capture them when they turn into eggs or they'll rehatch. Don't get caught by the Pterodactyl, Molten Lava or Lava Hand. **26-7351 . . . . . 34.95**

**King Tut.** Go deep into King Tut's tomb in search of treasure! Beware of snakes, King Tut's ghost. 5 skill levels. **26-7313 . . . . . 34.95**

**King Cuthbert.** Save Cuthbert's lady love from the Evil Gorilla! Dodge barrels and fireballs. **26-7320 . . . . . 34.95**

**Mudpies.** What fun — Cuthbert throws mudpies at the circus clowns! Help him run away without getting caught. Requires 32K, optional joysticks. **26-7364 . . . . . 34.95**

**Scramble.** Penetrate enemy scramble system and destroy their base! Dodge obstacles, missiles. With sound effects. Requires optional joystick. **26-7306 . . . . . 34.95**

**Cuthbert in the Mines.** Help our hero escape from the mine! Watch out for the Demon Guard. 5 levels of skill. Hires color with sound. Joystick required. **26-7314 . . . 34.95**

**Mystery of the Java Sea.** Use an old map and ship's log book to find lost treasures — including the Java Star ruby! Organise the expedition, gather information, then set off on the dangerous journey. 3 Skill levels. Requires 32K. **26-7353 . . . . . 34.95**

**Eight Ball.** Pool from the comfort of your armchair! Line up your cue, sink the coloured balls. Choice of 3 screens: buff green or black. Joystick required. **26-7311 . . . . . 34.95**

**Danger Ranger.** Collect 10 keys from the Chamber of Pasha, avoid radioactive bats and roving eyes. Destroy demons in the Acid Chamber and get the treasure. **26-7315 . . . . . 34.95**

**Devil Assault.** Five levels of skill as you defend yourself against Vampire Bats, Robots, Sproings then the Devil! **26-7316 . . . . . 34.95**

**Aussie Accountant.** Keep your finances up-to-date! Direct-entry records of income and expenditure, keep monthly and yearly totals, make transactions between accounts. Allows up to 150 entries per month (16K), 500 per month (64K). **26-7962 . . . . . 39.95**

**Cash Man.** Climb ladders, race along girders and jump over dangerous chasms to collect the money bags! Watch out for BYRDS and KATS. **26-7365 . . . . . 34.95**

**NEW! Color Scripsit II.** A simple word-processing system designed to run in a ROM cartridge for use with either a 16K or 64K Color Computer. The system includes an editor to enter and edit text and a "view" function that allows you to change the format control information while viewing the entire page. **26-3109 . . . . . 29.95**

**NEW! Color File II.** A file system designed for a 16K (or more) Color Computer and cassette recorder. Each data file is made up of a field area: Text, Numeric or Date. Color File II stores your important data in the appropriate field and rapidly retrieves it in an easy-to-use format. Use built-in files or create your own. **26-3110 . . . . . 49.95**

Visit your local Tandy store or dealer to see the latest releases!

Joysticks and Cassette Recorder Required for Most of the Above Software



# THE POPULAR COLOR COMPUTER 2®

## Start Color Computing With the Entire Family

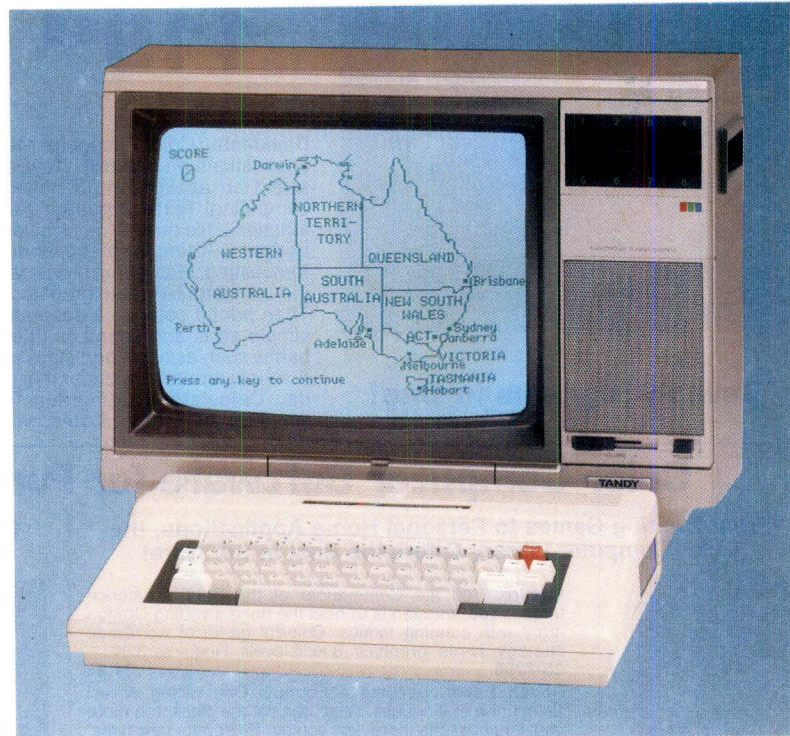
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TV Not Included

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- Uses a Wide Variety of Plug-in Program Paks
- Create Color Graphics with Exciting Sound Effects and Music
- Software Now Available for Games, Education and Home

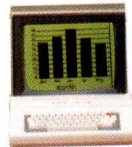
**16K Extended Color Computer 2.** Simply attach to your TV then plug in a Program Pak cartridge to entertain and educate your family for hours. Help your children learn about maths, science, reading, spelling and computers. Use the built-in extended basic language to create spectacular 8-color graphics or write your own programs easily. Advanced programming capabilities allow you to access high resolution graphics with simple one-line commands. Stylish, compact white case and low-profile electric typewriter quality keyboard. And the 16K Extended Color Computer expands as your needs do. And a cassette recorder, joysticks, printer, telephone modem, memory and more. Includes PEEK, POKE and USR commands, full featured editing and tracing. Straight-forward instruction manuals let all your family learn about computing. **26-3136 . . . . . 299.95**

**SPECIFICATIONS.** Microprocessor: 6809E, 8-bit. Clock Speed: 0.894 MegaHertz. Keyboard: 53 keys. Video Display: 16 lines of 32 characters (upper case only). Color graphics capabilities range from 64 x 32 (8 colors) to 256 x 192 (1 color and background color) with three intermediate formats. Memory: 16K ROM and 16K RAM. Input/Output: 1500-baud cassette (recorder optional). Two joystick ports. RS-232C serial port (4-pin only). Standard TV (300 ohms). 7.6 x 26.4 x 37.5cm. Power: 240V AC, 50 Hz.



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(Note: Not all Tandy dealers may be participating)

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**Extended Color BASIC ROM Kit.** Upgrades a Color Computer for advanced graphics capabilities or to use disk drives. Requires 16K RAM. **26-3018 . . . . . 114.95\***



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